HUXLEY LIBRARY
SHL
MARINE BIOLOGICAL ASSOCIATION
LAUTER DRAWN
LONDON
C.7. 240

CONSEIL PERMANENT INTERNATIONAL
POUR L'EXPLORATION DE LA MER

PUBLICATIONS DE CIRCONSTANCE

N° 49

(EDITION ANGLAISE)

Cupboard
Shelf
Box 85

Communications du Laboratoire central à Christiania N° 9

V. WALFRID EKMAN

TABLES FOR SEA-WATER UNDER PRESSURE

EN COMMISSION CHEZ
ANDR. FRED. HØST & FILS
COPENHAGUE

AVRIL 1910

CONSEIL PERMANENT INTERNATIONAL
POUR L'EXPLORATION DE LA MER

PUBLICATIONS DE CIRCONSTANCE

N° 49

(EDITION ANGLAISE)

Communications du Laboratoire central à Christiania N° 9

V. WALFRID EKMAN

TABLES FOR SEA-WATER UNDER PRESSURE

EN COMMISSION CHEZ
ANDR. FRED. HØST & FILS
COPENHAGUE

AVRIL 1910

COPENHAGUE — IMPRIMERIE BIANCO LUNO

Preface.

The following tables are arranged with the view of calculating the density of sea-water *in situ*. The specific volume of the water may, however, be found afterwards by aid of Tab. I in this book.

In consideration of the statical and dynamical purposes to be answered, the unit of pressure has been chosen in the C. G. S. system, although for purely statistical purposes, it would have been more convenient to have a unit which as near as possible corresponds to the pressure of one meter of water at some average depth. Actually, the unit of pressure chosen is 100000 cm^{-1} gr. sec^{-2} (about 0.0987 of an atmosphere. This unit will, in accordance with the notation of V. BJERKNES, be called a *decibar*. The pressure of the atmosphere itself will always be neglected, and in consequence we shall say that *the pressure is zero at the sea-surface.* The pressure p, reckoned in decibars is then approximately equal to the depth in meters below the sea-surface; the difference being found from Tab. II, when the temperature, the value of σ_0 and the geographical latitude are known.

Further, a small Table (Tab. III) has been inserted, showing the relation between pressure in decibars and depth in „dynamic meters". The latter quantity really measures the differences of gravity potential, and accordingly also *vertical* distances. It has been introduced by V. BJERKNES, who has shown, in a book which is just in the press[1]), the value of this notation for a rational treatment of the dynamical problems of the sea. The ratio between the ordinary meter and the „dynamic meter" is $g/10$, g denoting, in meters per second, the acceleration due to gravity. The dynamic meter is therefore slightly variable with the depth and with the latitude. (See the book of V. BJERKNES).

[1]) V. BJERKNES Dynamic meteorology and hydrography. Part I. Carnegie Institution, Publication No. 88.

This book has, also in other respects, afforded useful suggestions as to the arrangement of the present work; and the writer is consequently indebted to Prof. BJERKNES for having put the manuscript at his disposal.

The chief part of the book consists of Tab. IV—VIII for calculating the density of sea-water as a function of the pressure, the temperature and the value of σ_0 or σ_t. As there are here three independent variables, tables arranged in the usual way with equal and sufficiently small intervals of each independent variable would become far too extensive. The size of the tables may be greatly reduced, if the tabulated function be broken up into several terms, of which one depends only say on the pressure, and the other on two or three variables. This method was used in the first tables published by SANDSTRÖM and HELLAND-HANSEN („Ueber die Berechnung von Meeresströmungen") and, in a thoroughly systematic way, by V. BJERKNES in the book already cited. In the present publication there is made use of the almost linear relationship between σ_0 or σ_t on the one side and the tabulated function on the other; and the tables contain quantities which should not be added simply, but also *multiplied* (by $\sigma_0 - 28$, say). In this way it is sufficient to tabulate functions of *two* independent variables only (the pressure and the temperature), which obviously is a considerable advantage. The multiplication thus introduced does not denote any essential increase of labour in using the tables, because it completely corresponds to the operation of interpolation, which would otherwise be necessary[1]).

To diminish the labour as much as possible, three separate systems of tables are arranged, the one or the other being the most convenient according to the particular circumstances. Thus Tab. IV and V are most convenient, particularly in the case of small or moderate depths, when the values of σ_t are already calculated and when it is sufficient to determine the density to 5 decimal places. On the other hand Tab. IV and VI must be used if the pressure exceeds 2000 decibars. And these Tables are the most convenient — even for lower pressures — if the values of σ_0 are given and are not far from the mean oceanic value *i. e.* 28, or if the highest possible degree of accuracy is required. Finally the special „baltic" tables VII and VIII on p. 45—47 are the most convenient, if the salinity is very small (σ_t smaller than 15, say).

It must be expressly pointed out, that the results of the measurements, on which the tables are based, do not allow the compression of the water to be calculated with higher accuracy than to within about 3 thousendths of its amount. Thus in 1000 m. depth, where the density of sea-water at 0° is about 0.005 greater than at the surface, this increase of density may only be calculated to within 0.000015. But if a similar calculation be made for another value of the temperature or the salinity which does not differ much from the first, the error

[1]) The use of a slide-rule is recommended for the purpose.

comes out with approximately the same amount as before (to within less than 1 % of the *difference* between the two values calculated). As the temperature and the salinity often vary but slightly within a part of the sea which is to be examined dynamically, the printing of the tables with 6 decimal places is therefore quite justified, since the horizontal (as well as comparatively small vertical) *differences* of density may be calculated with a corresponding degree of accuracy.

The intervals of pressure and temperature are everywhere so chosen, that linear interpolation should be allowable[1]). The numerical values of pressure chosen are the same as of the depths (in meters) usually chosen for hydrographic observations; and the pressures themselves are then of course not exactly equal to the pressures in these depths. The interpolation, which for this reason would be strictly necessary, may be carried out in either of two different ways. Either the interpolation is made in these tables so as to give the density at the exact depth of observation; or the hydrographic material of observations is interpolated so as to give the temperature and salinity for given values of pressure contained in these tables. For most purposes, however, the interpolation will be found unnecessary altogether, or if that be not the case, it may be circumvented. In any case it is, of course, necessary, that the whole material of observation be treated in a *uniform* way. For this reason it might be suggested not to publish among the primary data of observation (*i. e.* in the Bulletins) the densities *in situ,* until we shall know more about the general dynamical problems to be solved and the methods for treating them.

At the end of the book there will be found small tables giving, for a few cases, the values of the coefficient of heat-expansion of the sea-water (Tab. IX).

All the tables are based upon „Hydrographic Tables" by Martin Knudsen (Copenhague 1901) and the formulæ there given, as well as upon Equation (12) p. 42 in „Publications de Circonstance No. 43" (Copenhague 1908).

Explanation of the Tables.

Notation.

t = temperature in centigrade hydrogen-scale.

p = pressure in decibars less the atmospheric pressure.
10 decibar = 1 bar = 1000000 dyn per cm^2 = 0.987 atm.

[1]) Exception must be made for that part of Tab VI, which is contracted on p. 45, and which is hardly likely to be used, and also for Tab. IX on p. 48. In both cases the linear interpolation in respect to t may involve a small error in the last figure of the tabulated function.

$\sigma_0 = 1000\ (s_0 - 1)$,
$\sigma_t = 1000\ (s_t - 1)$,
s_0 and s_t being the density of the sea-water at 0° and at t^0 respectively, measured at atmospheric pressure and referred to distilled water at 4° and atmospheric pressure.
$\sigma = 1000\ (s - 1)$,
s being the density of the sea-water (referred to that of distilled water at 4° and atmospheric pressure) at any given pressure, temperature and value of σ_0. Thus σ and s (without the indices) are functions of p, t and σ_0, while σ_t and s_t are functions of t and σ_0 only.
v = the specific volume of the sea-water = $1/s$.
m = the depth in meters below the sea-surface.
$\overline{m}$ = — — - dynamic meters below the sea-surface.
φ = the geographical latitude.
e = the coefficient of expansion $\frac{1}{v}\frac{dv}{dt}$ of the sea-water.

Tab. I. Calculation of specific volume from the density and *vice versa*.

That part of σ, which is a whole number, is found in the first column, and the first decimal is found in the horizontal line at the head. The corresponding volumes of v are arranged just as the logarithms in an ordinary logarithmic table. The table extends to the value $\sigma = 49.9$, which is sufficient for all depths down to 4500 m. In case of greater depths, which are comparatively seldom investigated, the small trouble of direct calculation must be taken. It is $v = 1/s = 1000/(1000 + \sigma)$.

For the lower part of the Table, where the differences are between 95 and 91, proportional-tables are appended. For the upper part — and often for the lower part as well — it will prove simpler to interpolate by using a fictitious proportional-table corresponding to the difference 100 and afterwards to correct the result as in Example 1 and 2 below.

Ex. 1. Given $s = 1.029573$; $\sigma = 29.573$.
For $\sigma = 29.5$ the table gives directly $v = 0.971345$
Decrease of v, when σ increases with 0.1:
$94 = 100 - 6$ millionths. Therefore to subtract $73 - 6/100 \times 73 = 69$ millionths — 69
Found for $\sigma = 29.573$ $v = 0.971276$

Ex. 2. Given $v = 0.979751$.
The nearest smaller number found in the table is 0.979720. (The four last figures, because standing in the line *above* the two first one's, are marked with an asterisc). It is $v = 0.979720 + 0.000031$.

For $v = 0.979720$ the table gives $\sigma = 20.7$

The difference between two consequtive values of v is $96 = 100 - 4$ millionths. Therefore to subtract: $0.031 + 4/100 \times 0.031 = 0.032$ $- 0.032$

Found for $v = 0.979751$ $\sigma = 20.668$

Tab. II. Relation between the pressure in decibars p and the depth in meters m.

The difference $p - m$ is found as the sum of a chief term x_0 and three correction terms x_φ, x_t and x_σ. The 3 latter terms are functions of, respectively, the latitude φ, the mean temperature t and the mean value of σ_0 between the sea-surface and the depth considered, and they vanish for $\varphi = 45°$, $t = 0°$, and $\sigma_0 = 28$ respectively. The tables are not calculated to give $p - m$ with higher degree of accuracy than to within 1 meter, but in case of the upper 2 or 3 thousend meters, the error will hardly exceed 3 or 4 decimeters.

Example 1. Find the depth of the isobaric surface for 2800 decibars at 73° N. lat. and 5° W. long.; the mean values of t and σ_0 between 0 and 2800 m being $- 1°.0$ and 28.05 respectively. The tables give directly $x_0 = 40.9$; $x_\varphi = 6.0$; $x_t = 0.2$; $x_\sigma = 0.1$; $x_\varphi + x_t + x_\sigma = 6.3$; $p - m = 40.9 + 6.3 = 47.2$. Consequently $m = 2800 - 47 = 2753$ meters.

Example 2. Find the pressure at 2800 m. depth at the same place as in Ex. 1.

At first one finds for $p = 2800$, as in Ex. 1, $p - m = 47.2$ and therefore as a first approximation $p = 2800 + 47 = 2847$ decibars. Again, for $p = 2847$ one finds $x_0 = 41.9$, while the correction terms x_φ, x_t and x_σ assume practically the same values as for $p = 2800$. Thus we have $p - m = 41.9 + 6.3 = 48$ and $p = 2848$ decibars. (At very great depths — exceeding 6000 m., say — a third approximation may be necessary, or the calculation may be started from a roughly approximate value of p taken on trial).

Example 3. (Alternative method in the case of very great vertical differences of temperature). Find the pressure at 4000 m. depth, 32° N. lat., 25° W. long. The temperatures and σ_0-values being:

depth in m.	0	50	100	200	500	1000	1500	2000	3000	4000
temperature	25°	21°	18°	17°	12°	9°	6°.2	4°.2	3°.0	2°.5
σ_0		29.7	29.5	29.3	29.1	28.7	28.6	28.51	28.19	28.11	28.04

The mean temperature between 0 and 1000 m. is 13° and between 1000 m. and 4000 m. 4°.2. The mean value of σ_0 between 0 and 4000 m. is 28.39.

The tables give for $p = 4000$ m. $x_0 = 69.2$; $x_\varphi = - 4.5$; $x_\sigma = 1.4$. For $p = 1000$ and $t = 13°$ we find $x_t = - 1.8$, while

for $t = 4°.2$ x_t increases by — 1.7 from $p = 1000$ to $p = 4000$. Thus, for $p = 4000$ we have $x_t = -1.8 - 1.7 = -3.5$, and as a first approximation, $x_0 + x_\varphi + x_t + x_\sigma = 69.2 - 6.6 = 63$; $p = 4063$. Again for $p = 4063$ we find $x_0 = 70.8$ and finally $p = 4000 + 70.8 - 6.6 = 4064$. The same result is obtained when using the mean value of t between 0 and 4000 m. viz. $t = 6°.4$.

Tab. III. Relation between the pressure in decibars p and the depth in dynamic meters $\overline{m}$.

The table is arranged quite in the same way as Tab. II, though no term depending on φ enters in Tab. III. The accuracy is also the same is in Tab. II.

Example. Find the depth in dynamic meters, of the isobaric surface for 2800 decibars at 73° N. lat.; the mean values of t and σ_0 between 0 and 2800 m. being — 1°.0 and 28.05 respectively. The tables give directly $x_0 = 93.5$, $x_t = 0.2$, $x_\sigma = 0.1$. Thus $\overline{m} = 2800 - 93.8 = 2706$ dynamic meters.

Tab. IV and **V.** Calculation of σ or s (density *in situ*) from σ_t, p and t.

The calculation is made according to the scheme

$$\sigma = \sigma_t + C - D'.$$

The second term C is chosen so as to depend on the pressure only and can be found directly in Tab. IV. It denotes the increase of σ with pressure, when $\sigma_t = 28$ and $t = 0°$ (or, in other terms, when $\sigma_0 = 28$ and $t = 0°$). The values of C are contained in the columns with the headings 0 to 90; and each value of C belongs to the value of p which equals the *sum* of the numbers heading the corresponding line and column.

The last term D' depends on three independent variables p, t and σ_t and must be calculated according to the formula

$$D' = d' + (\sigma_t - 28)\, d'_1 - (\sigma_t - 28)^2\, d'_2.$$

The quantities d', d'_1 and d'_2 are found from Tab. V as functions of p and t. d' is printed in larger types (brevier) and d'_1 immediately below in smaller types (nonpareil cursive); both quantities being tabulated with intervals of entire degrees of temperature. *The quadratic term* $(\sigma_t - 28)^2\, d'_2$ *is very small, and probably it may be left out of account altogether, in any practical case.* The corresponding coefficient d'_2, multiplied by 1000, is tabulated for $t = 0°$ and $t = 20°$ on p. 18 and 20.

Tab. V has been arranged with a view of giving the density *in situ* to 5 decimal places, but linear interpolation is allowable even when calculating 6 decimal places.

It is already mentioned in the preface, that the *absolute* magnitude of $\sigma - \sigma_t$ cannot be calculated more accurately than to within about 3 thousandths of its amount.

On the other hand the *comparison* of the density of two quantities of water (A and B) may be made with a higher degree of accuracy. Let t_a, t_b, σ_{oa}, σ_{ob}, σ_a and σ_b denote the temperatures and values of σ_0 and σ for the two quantities of water, assumed to be exposed to the same pressure p, and suppose t_a, t_b, σ_{oa} and σ_{ob} to be accurately known. Then the observations on which these tables are founded, permit the difference $(\sigma_a - \sigma_b)$ to be calculated to within an error which is smaller than

$$\pm\ 0.0002\ \frac{p}{1000}\left[(t_a - t_b) + (\sigma_{oa} - \sigma_{ob})\right],$$

the differences $(t_a - t_b)$ and $(\sigma_{oa} - \sigma_{ob})$ being both taken with positive signs. This error may be called the *experimental error.*

To this the *aritmetical error* produced by calculating the tables and by interpolation, must be added. Any number in the tables may involve an error of as much as 5 in the figure after the last figure printed; and an error of the same amount may be introduced by interpolation with regard to t. Thus, if no interpolation be made with regard to p, the greatest possible errors in C, d', d'_1 and d'_2 are 0.0005, 0.001, 0.0001 and 0.00001 respectively. According as $(\sigma_t - 28)$ is $\pm$ 1, $\pm$ 3 or $\pm$ 10, the possible error in D' is therefore 0.001, 0.0014 and 0.003 respectively. The possible aritmetical error in $\sigma_a - \sigma_b$ is twice that of D' (since C was assumed to have exactly the same value in the case A as in the case B) *i. e.* 0.002, 0.003 and 0.006 respectively. But the probability, that approximately so great errors should occur, is very small. The possible error may, besides, be reduced to about half, by carrying out all interpolations with one figure more than are printed in the tables.

If, in some particular case, the value of $\sigma_a - \sigma_b$ be required with the very highest accuracy possible, one may calculate several values of $\sigma_a - \sigma_b$ corresponding to values of $(t_a - t_b)$ and $(\sigma_{oa} - \sigma_{ob})$, which are multiples (positive and negative) of the values actually given. If then interpolating, by some geometrical or arithmetical method, between these values it will be possible to obtain $\sigma_a - \sigma_b$ almost free from any error except the experimental one.

Example 1. (east Mediterranean). $p = 1500$; $t = 13°.60$; $\sigma_0 = 31.400$. From KNUDSEN's tables $\sigma_t = 29.427$ is found.

Tab. IV gives for $p = 1500$: $C = 7.055$. For the same pressure and for $t = 13°.60$ Tab. V gives $d' = 0.470$; $d'_1 = 0.0120$; $1000\, d'_2 = 0.03$ and consequently

$$D' = 0.470 + 1.427 \times 0.0120 - (1.427)^2 \times 0.00003 = 0.487$$
$$\sigma = 29.427 + 7.055 - 0.487 = 35.995;\ s = 1.035995$$

Example 2. $p = 1100$; $t = 8°.22$; $\sigma_0 = 28.570$; $\sigma_t = 27.692$.

One finds: $C = 5.199$; $D' = 0.230 - 0.308 \times 0.0098 = 0.227$; $\sigma = 27.692 + 5.199 - 0.227 = 32.664$; $s = 1.032664$.

Example 3. $p = 1100$; $t = 2°.00$; $\sigma_0 = 28.150$; $\sigma_t = 28.017$.

One finds: $C = 5.199$; $D' = 0.062 + 0.017 \times 0.0109 = 0.062$; $\sigma = 28.017 + 5.199 - 0.062 = 33.154$; $s = 1.033154$.

Example 4. $p = 35$; $t = 8°.0$; $\sigma_t = 15.82$.

One finds: $C = 0.167$; $D' = 0.007 - 12.18 \times 0.0003 = 0.003$; $\sigma = 15.82 + 0.167 - 0.003 = 15.98$; $s = 1.01598$.

In all these examples the quadratic term $(\sigma_t - 28)^2 \times d'_2$ is found to be of no influence whatever; being, in Ex. 1 to 3, smaller than 1 in the 7th and in Ex. 4 smaller than 1 in the 6th decimal place of the density.

The possible experimental error in the absolute value of σ in Ex. 2 is 0.003 $(\sigma - \sigma_t) = 0.015$, corresponding to 15 units in the 6th decimal place of the density. Considering, on the other hand, the difference of σ-values between the cases of Ex. 2 and 3, we have $t_2 - t_3 = 6°.22$; $\sigma_{02} - \sigma_{03} = 0.42$; $p = 1100$, so that the experimental error is smaller than

$$(6.22 + 0.42)\ \frac{1100}{1000} \times 0.0002 = 0.0015$$

and the arithmetical error smaller than 0.002. The total error therefore lies between the limits $\pm$ 0.0035, corresponding to $3^1/_2$ units in the 6th decimal place of the spec. gravity. The probable error, however, hardly exceeds *one* unit in the same decimal place.

Tab. IV and VI. Calculation of σ or s (density *in situ*) from σ_0, p and t.

The calculation is made according to the scheme

$$\sigma = \sigma_0 + C - D$$
$$D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2.$$

C is found from Tab. IV as already described. D is found from Tab. VI in quite a similar way as D' was found from Tab. V. As to the arrangement of the tables there is the difference, that in Tab. VI the intervals of t are smaller[1]) and that the range of temperatures is smaller and the range of pressures greater. The table VI is divided in two parts: VI, a for pressures between 0 and 2000, and VI, b for pressures between 2000 and 10000.

In some cases it may be necessary to take into account the quadratic term $(\sigma_0 - 28)^2\, d_2$, in particular when $(\sigma_0 - 28)$ and t are both great. In any case this term is always small, corresponding for

[1]) Part of the table (p. 45) is printed as Tab. V with intervals of whole degrees, but this part of the table corresponds to quite exceptional values of pressure and temperature.

instance, at 4000 m depth in the Mediterranean, to 2 in the 6th decimal place of the density.

The limit of possible errors may be calculated in a similar way as was described in connection with Tab. IV and V.

Example 1. (east Mediterranean) $p = 1500$; $t = 13°.60$; $\sigma_0 = 31.400$.

Table IV gives $C = 7.055$ and Tab. VI,a: $d = 2.280$; $d_1 = 0.0537$; $d_2 = 0.00016$ and consequently $D = 2.280 + 0.183 - 0.002 = 2.461$; $\sigma = 31.400 + 7.055 - 2.461 = 35.994$; $s = 1.035994$.

Example 2. $p = 1100$; $t = 8°.22$; $\sigma_0 = 28.570$.

Tab. IV and VI,a give $C = 5.199$; $d = 1.084$; $d_1 = 0.0371$; $d_2 = 0.00013$ and consequently $D = 1.084 + 0.021 - 0.000 = 1.105$; $\sigma = 28.570 + 5.199 - 1.105 = 32.664$; $s = 1.032664$.

Example 3. $p = 8550$; $t = 2°.75$; $\sigma_0 = 28.511$.

Tab. IV and VI, b give $C = 37.234$; $d = 0.726$; $d_1 = 0.0824$; $d_2 = 0.00022$ and consequently $D = 0.726 + 0.042 - 0.000 = 0.768$; $\sigma = 28.511 + 37.234 - 0.768 = 64.977$; $s = 1.064977$.

The *absolute* error of s may in the latter case be $\pm$ 0.0001 as a maximum.

Tab. VII and **VIII** p. 45—47 (baltic table). Calculation of σ or s from σ_t, p and t (with 5 decimal places only).

The calculation is made according to the scheme

$$\sigma = \sigma_t + C'' - D''; \; D'' = d'' + \sigma_t d_1''.$$

The tables are arranged as Tab. IV and V, except that the quadratic term in σ_t is omitted.

Example 1. $p = 250$; $t = 3°.75$; $\sigma_t = 8.31$.

Tab. VII gives $C'' = 1.273$ and Tab. VIII $d'' = 0.032$; $d_1'' = 0.0028$ and consequently $D'' = 0.032 + 8.31 \times 0.0028 = 0.055$; $\sigma = 8.31 + 1.273 - 0.055 = 9.53$; $s = 1.00953$.

Example 2. $p = 35$; $t = 8°.0$; $\sigma_t = 15.82$.

Tab. VII and VIII give $C'' = 0.178$; $d'' = 0.009$; $d_1'' = 0.00035$ and consequently $D'' = 0.009 + 0.006 = 0.015$; $\sigma = 15.82 + 0.178 - 0.015 = 15.98$; $s = 1.01598$.

Tab. IX. The tables give for some particular values of p, t and σ_0 the coefficient of heat-expansion e multiplied by 10^6. By linear interpolation in respect to p or t the 6th decimal of e will not always come out absolutely correct.

The second table IX gives the increase of 10^6 e per 100 decibars increase of pressure. This table may only be used between $p = 0$ and another pressure lower than $p = 1000$ and then gives, together with the first table IX, e accurately or approximately correct to within the 6th decimal place.

In no case the increase of e with pressure may be regarded as correct to within less than 1 %.

Example 1. For $\sigma_0 = 20$, $t = 5°$, $p = 200$ the first and second table IX give $10^6 e = 88 + 2 \times 2.5 = 93$; $e = 0.000093$.

Example 2. For $\sigma_0 = 28$, $t = 2°.5$, $p = 0$ the first table IX gives $e = 0.000083$.

Example 3. For $\sigma_0 = 28$, $t = 2°.5$, $p = 8000$ the 6th table IX gives $e = 0.000246$.

This value being 0.000163 greater than in the case of $p = 0$, it may be regarded as correct only to within $1^1/_2$ units in the 6th decimal place.

Corrections.

p. 25, $p = 1900$, $t = 1°.2$	for	0.135	read 0.136
p. 28, $p = 450$, $t = 4°.3$	—	0.400	— 0.401
p. 31, $p = 1700$, $t = 7°.4$	—	1.049	— 1.050
p. 32, $p = 600$, $t = 8°.9$	—	*0.347*	— *.0347*
p. 33, $p = 1500$, $t = 9°.7$	—	*0.444*	— *.0444*
p. 42, $p = 3400$, $t = 2°.6$	—	*0.415*	— *.0415*

Tab. I. $v = 1 / (1 + 0.001\,\sigma)$

σ	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	P. P.	
0	1.000000	*9900	*9800	*9700	*9600	*9500	*9400	*9300	*9201	*9101	95	
1	0.999001	8901	8801	8702	8602	8502	8403	8303	8203	8104		
2	8004	7904	7805	7705	7606	7506	7407	7307	7208	7108	1	9.5
3	7009	6910	6810	6711	6612	6512	6413	6314	6214	6115	2	19.0
4	6016	5917	5818	5718	5619	5520	5421	5322	5223	5124	3	28.5
											4	38.0
5	5025	4926	4827	4728	4629	4530	4431	4332	4233	4135	5	47.5
6	4036	3937	3838	3739	3641	3542	3443	3345	3246	3147	6	57.0
7	3049	2950	2851	2753	2654	2556	2457	2359	2260	2162	7	66.5
8	2063	1965	1867	1768	1670	1572	1473	1375	1277	1179	8	76.0
9	1080	0982	0884	0786	0688	0589	0491	0393	0295	0197	9	85.5
10	0099	0001	*9903	*9805	*9707	*9609	*9511	*9413	*9315	*9218	94	
11	0.989120	9022	8924	8826	8728	8631	8533	8435	8338	8240		
12	8142	8045	7947	7849	7752	7654	7557	7459	7362	7264	1	9.4
13	7167	7069	6972	6875	6777	6680	6582	6485	6388	6291	2	18.8
14	6193	6096	5999	5902	5804	5707	5610	5513	5416	5319	3	28.2
											4	37.6
15	5222	5125	5028	4931	4834	4737	4640	4543	4446	4349	5	47.0
16	4252	4155	4058	3961	3865	3768	3671	3574	3478	3381	6	56.4
17	3284	3187	3091	2994	2898	2801	2704	2608	2511	2415	7	65.8
18	2318	2222	2125	2029	1932	1836	1740	1643	1547	1451	8	75.2
19	1354	1258	1162	1065	0969	0873	0777	0681	0584	0488	9	84.6
20	0392	0296	0200	0104	0008	*9912	*9816	*9720	*9624	*9528	93	
21	0.979432	9336	9240	9144	9048	8953	8857	8761	8665	8569		
22	8474	8378	8282	8186	8091	7995	7899	7804	7708	7613	1	9.3
23	7517	7422	7326	7231	7135	7040	6944	6849	6753	6658	2	18.6
24	6562	6467	6372	6276	6181	6086	5991	5895	5800	5705	3	27.9
											4	37.2
25	5610	5515	5419	5324	5229	5134	5039	4944	4849	4754	5	46.5
26	4659	4564	4469	4374	4279	4184	4089	3994	3899	3805	6	55.8
27	3710	3615	3520	3425	3331	3236	3141	3047	2952	2857	7	65.1
28	2763	2668	2573	2479	2384	2290	2195	2101	2006	1912	8	74.4
29	1817	1723	1628	1534	1440	1345	1251	1157	1062	0968	9	83.7
30	0874	0780	0685	0591	0497	0403	0309	0214	0120	0026	92	
31	0.969932	9838	9744	9650	9556	9462	9368	9274	9180	9086		
32	8992	8898	8804	8711	8617	8523	8429	8335	8242	8148	1	9.2
33	8054	7961	7867	7773	7680	7586	7492	7399	7305	7212	2	18.4
34	7118	7024	6931	6837	6744	6651	6557	6464	6370	6277	3	27.6
											4	36.8
35	6184	6090	5997	5904	5810	5717	5624	5531	5437	5344	5	46.0
36	5251	5158	5065	4972	4878	4785	4692	4599	4506	4413	6	55.2
37	4320	4227	4134	4041	3948	3855	3763	3670	3577	3484	7	64.4
38	3391	3298	3206	3113	3020	2927	2835	2742	2649	2557	8	73.6
39	2464	2371	2279	2186	2094	2001	1908	1816	1723	1631	9	82.8
40	1538	1446	1354	1261	1169	1076	0984	0892	0799	0707	91	
41	0615	0523	0430	0338	0246	0154	0061	*9969	*9877	*9785		
42	0.959693	9601	9509	9417	9325	9233	9141	9049	8957	8865	1	9.1
43	8773	8681	8589	8497	8405	8313	8222	8130	8038	7946	2	18.2
44	7854	7763	7671	7579	7488	7396	7304	7213	7121	7029	3	27.3
											4	36.4
45	6938	6846	6755	6663	6572	6480	6389	6297	6206	6114	5	45.5
46	6023	5931	5840	5749	5657	5566	5475	5384	5292	5201	6	54.6
47	5110	5019	4927	4836	4745	4654	4563	4472	4381	4290	7	63.7
48	4198	4107	4016	3925	3834	3743	3652	3562	3471	3380	8	72.8
49	3289	3198	3107	3016	2925	2835	2744	2653	2562	2472	9	81.9

Tab. II. $p - m = x_0 + x_\varphi + x_t + x_\sigma$

x_0 ($\varphi = 45°$; $t = 0$; $\sigma_0 = 28$)

p	0	100	200	300	400	500	600	700	800	900
0	0	0.8	1.7	2.6	3.6	4.6	5.7	6.8	8.0	9.2
1000	10.4	11.7	13.1	14.5	15.9	17.4	18.9	20.5	22.1	23.8
2000	25.5	27.3	29.1	30.9	32.8	34.8	36.8	38.8	40.9	43.0
3000	45.1	47.4	49.6	51.9	54.2	56.6	59.1	61.5	64.1	66.6
4000	69.2	71.8	74.5	77.3	80.0	82.8	85.7	88.6	91.5	94.5
5000	97.5	100.6	103.7	106.9	110.0	113.3	116.5	119.9	123.2	126.6
6000	130.0	133.5	137.0	140.6	144.2	147.8	151.5	155.2	159.0	162.8
7000	166.6	170.5	174.4	178.3	182.3	186.3	190.4	194.5	198.7	202.8
8000	207.1	211.3	215.6	220.0	224.3	228.8	233.2	237.7	242.2	246.8
9000	251.4	256.0	260.7	265.4	270.2	275.0	279.8	284.7	289.6	294.5

x_φ ($t = 0$; $\sigma_0 = 28$)

p	φ=0	φ=10°	φ=20°	φ=30°	φ=40°	φ=50°	φ=60°	φ=70°	φ=80°	φ=90°
1000	— 2.6	— 2.5	— 2.0	— 1.3	—0.5	0.5	1.3	2.0	2.4	2.6
2000	— 5.2	— 4.9	— 4.0	— 2.6	—0.9	0.9	2.6	4.0	4.9	5.2
3000	— 7.8	— 7.4	— 6.0	— 3.9	—1.4	1.4	3.9	6.0	7.3	7.8
4000	—10.4	— 9.8	— 8.0	— 5.2	—1.8	1.8	5.2	7.9	9.8	10.4
5000	—13.0	—12.2	— 9.9	— 6.5	—2.3	2.2	6.5	9.9	12.1	12.9
6000	—15.6	—14.6	—11.9	— 7.8	—2.7	2.7	7.7	11.8	14.5	15.5
7000	—18.1	—17.0	—13.8	— 9.0	—3.1	3.1	9.0	13.8	16.9	18.0
8000	—20.6	—19.4	—15.8	—10.3	—3.6	3.6	10.3	15.7	19.3	20.5
9000	—23.2	—21.8	—17.7	—11.6	—4.0	4.0	11.5	17.6	21.6	23.0
10000	—25.7	—24.1	—19.7	—12.8	—4.5	4.4	12.8	19.6	24.0	25.6

x_t ($\sigma_0 = 28$)

p	t=−2°	0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	25°
1000	0.1	0	—0.2	—0.4	—0.6	—0.9	—1.2	— 1.6	—2.0	—2.4	—2.9	—3.4	—4.8
2000	0.3	0	—0.4	— 0.8	—1.4	—2.0	—2.7	— 3.4	—4.2	—5.1	—6.1	—7.1	
3000	0.5	0	—0.6	—1.4	—2.2	—3.2	—4.3	— 5.5	— 6.8				
4000	0.7	0	— 0.9	—2.0	—3.2	—4.6	—6.1	— 7.7	—9.5				
5000	1.0	0	—1.2	—2.7	—4.3	—6.1	—8.1	—10.2					
6000	1.4	0	—1.6	—3.5									
7000	1.7	0	—2.0	— 4.3									
8000	2.1	0	—2.5	—5.2									
9000	2.6	0	—2.9	—6.1									
10000	3.1	0	—3.4	—7.2									

x_σ

p	σ_0=5	σ_0=10	σ_0=15	σ_0=20	σ_0=25
100	— 2.3	—1.8	—1.3	—0.8	—0.3
200	— 4.5	—3.5	—2.5	—1.6	—0.6
300	— 6.8	—5.3	—3.8	—2.3	—0.8
400	— 9.1	—7.1	—5.1	—3.1	—1.1
500	—11.4	—8.8	—6.4	—3.9	—1.4

p	σ_0=29	σ_0=30	σ_0=31	σ_0=32
1000	0.9	1.8	2.7	3.6
2000	1.9	3.7	5.5	7.2
3000	2.8	5.4	8.1	
4000	3.7	7.1	10.8	
5000	4.6			

p	σ_0=29
6000	5.4
7000	6.3
8000	7.1
9000	8.0
10000	8.8

Tab. III. $p - \overline{m} = \overline{x}_0 + \overline{x}_t + \overline{x}_\sigma$

$\overline{x}_0$ ($t = 0$; $\sigma_0 = 28$)

p	0	100	200	300	400	500	600	700	800	900
0	0	2.7	5.5	8.4	11.3	14.2	17.2	20.2	23.2	26.3
1000	29.5	32.7	35.9	39.2	42.5	45.9	49.3	52.7	56.2	59.7
2000	63.3	67.0	70.6	74.3	78.1	81.9	85.7	89.6	93.5	97.5
3000	101.5	105.5	109.6	113.7	117.9	122.1	126.3	130.6	134.9	139.3
4000	143.7	148.1	152.6	157.1	161.7	166.3	170.9	175.6	180.3	185.1
5000	189.9	194.7	199.6	204.5	209.4	214.4	219.5	224.5	229.6	234.8
6000	240.0	245.2	250.4	255.7	261.1	266.4	271.8	277.2	282.7	288.3
7000	293.8	299.4	305.0	310.7	316.4	322.1	327.9	333.7	339.5	345.4
8000	351.3	357.2	363.2	369.2	375.3	381.4	387.5	393.7	399.9	406.1
9000	412.4	418.7	425.0	431.3	437.8	444.2	450.7	457.2	463.7	470.3

$\overline{x}_t$ ($\sigma_0 = 28$)

p	$t=-2°$	0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	25°
1000	0.1	0	−0.1	−0.3	−0.6	−0.9	−1.2	− 1.6	−2.0	−2.4	−2.8	−3.3	−4.7
2000	0.3	0	−0.4	−0.8	−1.3	−1.9	−2.6	− 3.4	−4.2	−5.1	−6.0	−7.0	
3000	0.5	0	−0.6	−1.3	−2.2	−3.1	−4.2	− 5.4	−6.6				
4000	0.7	0	−0.9	−1.9	−3.1	−4.5	−6.0	− 7.6	−9.3				
5000	1.0	0	−1.2	−2.6	−4.2	−6.0	−7.9	−10.1					
6000	1.3	0	−1.6	−3.4									
7000	1.7	0	−2.0	−4.2									
8000	2.1	0	−2.4	−5.1									
9000	2.5	0	−2.9	−6.0									
10000	3.0	0	−3.4	−7.0									

$\overline{x}_\sigma$

p	$\sigma_0=5$	$\sigma_0=10$	$\sigma_0=15$	$\sigma_0=20$	$\sigma_0=25$
100	− 2.2	−1.7	−1.2	−0.8	−0.3
200	− 4.5	−3.5	−2.5	−1.5	−0.6
300	− 6.7	−5.2	−3.7	−2.3	−0.8
400	− 8.9	−6.9	−5.0	−3.1	−1.1
500	−11.1	−8.7	−6.2	−3.8	−1.4

p	$\sigma_0=29$	$\sigma_0=30$	$\sigma_0=31$	$\sigma_0=32$
1000	0.9	1.8	2.7	3.6
2000	1.8	3.6	5.4	7.1
3000	2.7	5.3	8.0	
4000	3.6	7.0	10.6	
5000	4.5			

p	$\sigma_0=29$
6000	5.3
7000	6.2
8000	7.0
9000	7.8
10000	8.6

Tab. IV. C

p	0	10	20	30	40	50	60	70	80	90
0	0	0.048	0.096	0.143	0.191	0.239	0.287	0.335	0.382	0.430
100	0.478	0.526	0.574	0.621	0.669	0.717	0.765	0.812	0.860	0.908
200	0.956	1.003	1.051	1.098	1.146	1.193	1.241	1.289	1.336	1.384
300	1.431	1.479	1.526	1.574	1.621	1.669	1.716	1.764	1.811	1.859
400	1.906	1.954	2.001	2.049	2.096	2.143	2.191	2.238	2.285	2.333
500	2.380	2.427	2.475	2.522	2.569	2.616	2.664	2.711	2.758	2.805
600	2.853	2.900	2.947	2.994	3.041	3.088	3.136	3.183	3.230	3.277
700	3.324	3.371	3.418	3.465	3.512	3.559	3.606	3.653	3.700	3.747
800	3.794	3.841	3.888	3.935	3.982	4.029	4.076	4.123	4.170	4.217
900	4.264	4.310	4.357	4.404	4.451	4.498	4.544	4.591	4.638	4.685
1000	4.732	4.778	4.825	4.872	4.918	4.965	5.012	5.058	5.105	5.152
1100	5.199	5.245	5.292	5.338	5.385	5.431	5.478	5.525	5.571	5.618
1200	5.664	5.711	5.757	5.804	5.850	5.897	5.943	5.990	6.036	6.083
1300	6.129	6.175	6.222	6.268	6.315	6.361	6.407	6.454	6.500	6.546
1400	6.593	6.639	6.685	6.731	6.778	6.824	6.870	6.917	6.963	7.009
1500	7.055	7.101	7.148	7.194	7.240	7.286	7.332	7.378	7.424	7.471
1600	7.517	7.563	7.609	7.655	7.701	7.747	7.793	7.839	7.885	7.931
1700	7.977	8.023	8.069	8.115	8.161	8.207	8.253	8.299	8.345	8.390
1800	8.436	8.482	8.528	8.574	8.620	8.666	8.711	8.757	8.803	8.849
1900	8.895	8.940	8.986	9.032	9.077	9.123	9.169	9.215	9.260	9.306
2000	9.352	9.397	9.443	9.489	9.534	9.580	9.625	9.671	9.717	9.762
2100	9.808	9.853	9.899	9.944	9.990	10.035	10.081	10.126	10.172	10.217
2200	10.263	10.308	10.354	10.399	10.445	10.490	10.535	10.581	10.626	10.672
2300	10.717	10.762	10.808	10.853	10.898	10.943	10.989	11.034	11.079	11.125
2400	11.170	11.215	11.260	11.306	11.351	11.396	11.441	11.486	11.532	11.577
2500	11.622	11.667	11.712	11.757	11.802	11.847	11.892	11.938	11.983	12.028
2600	12.073	12.118	12.163	12.208	12.253	12.298	12.343	12.388	12.433	12.478
2700	12.523	12.568	12.612	12.657	12.702	12.747	12.792	12.837	12.882	12.927
2800	12.972	13.016	13.061	13.106	13.151	13.196	13.240	13.285	13.330	13.375
2900	13.419	13.464	13.509	13.553	13.598	13.643	13.687	13.732	13.777	13.822
3000	13.866	13.911	13.955	14.000	14.045	14.089	14.134	14.178	14.223	14.267
3100	14.312	14.356	14.401	14.445	14.490	14.534	14.579	14.623	14.668	14.712
3200	14.757	14.801	14.846	14.890	14.934	14.979	15.023	15.068	15.112	15.156
3300	15.201	15.245	15.289	15.334	15.378	15.422	15.466	15.511	15.555	15.599
3400	15.644	15.688	15.732	15.776	15.820	15.865	15.909	15.953	15.997	16.041
3500	16.086	16.130	16.174	16.218	16.262	16.306	16.350	16.394	16.438	16.482
3600	16.526	16.570	16.614	16.658	16.702	16.746	16.790	16.834	16.878	16.922
3700	16.966	17.010	17.054	17.098	17.142	17.186	17.230	17.274	17.318	17.361
3800	17.405	17.449	17.493	17.537	17.580	17.624	17.668	17.712	17.756	17.799
3900	17.843	17.887	17.931	17.974	18.018	18.062	18.105	18.149	18.193	18.237
4000	18.280	18.324	18.368	18.411	18.455	18.498	18.542	18.586	18.629	18.673
4100	18.716	18.760	18.803	18.847	18.890	18.934	18.977	19.021	19.064	19.108
4200	19.152	19.195	19.238	19.282	19.325	19.369	19.412	19.455	19.499	19.542
4300	19.586	19.629	19.672	19.716	19.759	19.802	19.846	19.889	19.932	19.976
4400	20.019	20.062	20.105	20.149	20.192	20.235	20.278	20.322	20.365	20.408
4500	20.451	20.494	20.538	20.581	20.624	20.667	20.710	20.753	20.796	20.839
4600	20.883	20.926	20.969	21.012	21.055	21.098	21.141	21.184	21.227	21.270
4700	21.313	21.356	21.399	21.442	21.485	21.528	21.571	21.614	21.657	21.700
4800	21.743	21.786	21.828	21.871	21.914	21.957	22.000	22.043	22.086	22.128
4900	22.171	22.214	22.257	22.300	22.342	22.385	22.428	22.471	22.514	22.556

Tab. IV. C

p	0	10	20	30	40	50	60	70	80	90
5000	22.599	22.642	22.684	22.727	22.770	22.813	22.855	22.898	22.941	22.983
5100	23.026	23.069	23.111	23.154	23.196	23.239	23.282	23.324	23.367	23.409
5200	23.452	23.495	23.537	23.580	23.622	23.665	23.707	23.750	23.792	23.835
5300	23.877	23.919	23.962	24.004	24.047	24.089	24.131	24.174	24.216	24.259
5400	24.301	24.343	24.386	24.428	24.470	24.513	24.555	24.597	24.640	24.682
5500	24.724	24.767	24.809	24.851	24.893	24.936	24.978	25.020	25.062	25.105
5600	25.147	25.189	25.231	25.273	25.315	25.358	25.400	25.442	25.484	25.526
5700	25.568	25.610	25.652	25.695	25.737	25.779	25.821	25.863	25.905	25.947
5800	25.989	26.031	26.073	26.115	26.157	26.199	26.241	26.283	26.325	26.367
5900	26.409	26.451	26.493	26.535	26.576	26.618	26.660	26.702	26.744	26.786
6000	26.828	26.870	26.911	26.953	26.995	27.037	27.079	27.120	27.162	27.204
6100	27.246	27.288	27.329	27.371	27.413	27.454	27.496	27.538	27.580	27.621
6200	27.663	27.705	27.746	27.788	27.830	27.871	27.913	27.954	27.996	28.038
6300	28.079	28.121	28.163	28.204	28.246	28.287	28.329	28.370	28.412	28.453
6400	28.495	28.536	28.578	28.619	28.661	28.702	28.744	28.785	28.827	28.868
6500	28.910	28.951	28.992	29.034	29.075	29.117	29.158	29.199	29.241	29.282
6600	29.324	29.365	29.406	29.447	29.489	29.530	29.571	29.613	29.654	29.695
6700	29.737	29.778	29.819	29.860	29.901	29.943	29.984	30.025	30.066	30.108
6800	30.149	30.190	30.231	30.272	30.313	30.355	30.396	30.437	30.478	30.519
6900	30.560	30.601	30.642	30.683	30.724	30.766	30.807	30.848	30.889	30.930
7000	30.971	31.012	31.053	31.094	31.135	31.176	31.217	31.258	31.299	31.340
7100	31.381	31.421	31.462	31.503	31.544	31.585	31.626	31.667	31.708	31.749
7200	31.790	31.830	31.871	31.912	31.953	31.994	32.034	32.075	32.116	32.157
7300	32.198	32.238	32.279	32.320	32.361	32.401	32.442	32.483	32.524	32.564
7400	32.605	32.646	32.686	32.727	32.768	32.808	32.849	32.890	32.930	32.971
7500	33.012	33.052	33.093	33.133	33.174	33.215	33.255	33.296	33.336	33.377
7600	33.417	33.458	33.498	33.539	33.579	33.620	33.660	33.701	33.741	33.782
7700	33.822	33.863	33.903	33.944	33.984	34.024	34.065	34.105	34.146	34.186
7800	34.227	34.267	34.307	34.348	34.388	34.428	34.469	34.509	34.549	34.590
7900	34.630	34.670	34.711	34.751	34.791	34.831	34.872	34.912	34.952	34.992
8000	35.033	35.073	35.113	35.153	35.193	35.234	35.274	35.314	35.354	35.394
8100	35.435	35.475	35.515	35.555	35.595	35.635	35.675	35.715	35.755	35.796
8200	35.836	35.876	35.916	35.956	35.996	36.036	36.076	36.116	36.156	36.196
8300	36.236	36.276	36.316	36.356	36.396	36.436	36.476	36.516	36.556	36.596
8400	36.636	36.676	36.715	36.755	36.795	36.835	36.875	36.915	36.955	36.995
8500	37.035	37.074	37.114	37.154	37.194	37.234	37.273	37.313	37.353	37.393
8600	37.433	37.472	37.512	37.552	37.592	37.631	37.671	37.711	37.751	37.790
8700	37.830	37.870	37.909	37.949	37.989	38.028	38.068	38.108	38.147	38.187
8800	38.227	38.266	38.306	38.345	38.385	38.425	38.464	38.504	38.543	38.583
8900	38.623	38.662	38.702	38.741	38.781	38.820	38.860	38.899	38.939	38.978
9000	39.018	39.057	39.097	39.136	39.176	39.215	39.254	39.294	39.333	39.373
9100	39.412	39.452	39.491	39.530	39.570	39.609	39.648	39.688	39.727	39.767
9200	39.806	39.845	39.885	39.924	39.963	40.002	40.042	40.081	40.120	40.160
9300	40.199	40.238	40.277	40.317	40.356	40.395	40.434	40.474	40.513	40.552
9400	40.591	40.630	40.670	40.709	40.748	40.787	40.826	40.865	40.904	40.944
9500	40.983	41.022	41.061	41.100	41.139	41.178	41.217	41.256	41.295	41.335
9600	41.374	41.413	41.452	41.491	41.530	41.569	41.608	41.647	41.686	41.725
9700	41.764	41.803	41.842	41.881	41.920	41.959	41.997	42.036	42.075	42.114
9800	42.153	42.192	42.231	42.270	42.309	42.348	42.386	42.425	42.464	42.503
9900	42.542	42.581	42.620	42.658	42.697	42.736	42.775	42.814	42.852	42.891

Tab. V. $D' = d' + (\sigma_t - 28)\, d'_1 - (\sigma_t - 28)^2\, d'_2$. $\sigma = \sigma_t + C - D'$

p	$d' = 000$				$d'_1 = 000$					1000 d'_2
	−2°	−1°	0°	1°	2°	3°	4°	5°	6°	$t = 0°$
0	0	0	0	0	0	0	0	0	0	0
50	−.003	−.001	0	.001	.003	.004	.006	.007	.008	0.00
	.0005	.0005	.0005	.0005	.0005	.0005	.0005	.0005	.0005	
100	−.006	−.003	0	.003	.006	.008	.011	.014	.016	0.00
	.0011	.0011	.0010	.0010	.0010	.0010	.0010	.0010	.0009	
150	−.009	−.004	0	.004	.009	.013	.017	.021	.024	0.00
	.0016	.0016	.0016	.0015	.0015	.0015	.0015	.0014	.0014	
200	−.012	−.006	0	.006	.012	.017	.022	.027	.032	0.01
	.0022	.0021	.0021	.0021	.0020	.0020	.0019	.0019	.0019	
250	−.015	−.007	0	.007	.014	.021	.028	.034	.040	0.01
	.0027	.0027	.0026	.0026	.0025	.0025	.0024	.0024	.0023	
300	−.018	−.009	0	.009	.017	.025	.033	.041	.048	0.01
	.0032	.0032	.0031	.0031	.0030	.0030	.0029	.0029	.0028	
350	−.021	−.010	0	.010	.020	.030	.039	.048	.056	0.01
	.0038	.0037	.0037	.0036	.0035	.0034	.0034	.0033	.0033	
400	−.024	−.012	0	.012	.023	.034	.044	.055	.064	0.01
	.0043	.0042	.0042	.0041	.0040	.0039	.0039	.0038	.0037	
450	−.027	−.013	0	.013	.026	.038	.050	.061	.072	0.01
	.0049	.0048	.0047	.0046	.0045	.0044	.0043	.0043	.0042	
500	−.030	−.015	0	.014	.029	.042	.055	.068	.080	0.01
	.0054	.0053	.0052	.0051	.0050	.0049	.0048	.0047	.0047	
600	−.036	−.018	0	.017	.034	.051	.066	.082	.096	0.02
	.0065	.0064	.0062	.0061	.0060	.0059	.0058	.0057	.0056	
700	−.042	−.021	0	.020	.040	.059	.077	.095	.112	0.02
	.0075	.0074	.0073	.0071	.0070	.0069	.0067	.0066	.0065	
800	−.048	−.024	0	.023	.046	.067	.088	.108	.128	0.02
	.0086	.0085	.0083	.0081	.0080	.0078	.0077	.0075	.0074	
900	−.054	−.027	0	.026	.051	.075	.099	.121	.143	0.03
	.0096	.0095	.0093	.0091	.0090	.0088	.0086	.0085	.0083	
1000	−.060	−.030	0	.029	.057	.083	.109	.135	.159	0.03
	.0107	.0105	.0103	.0101	.0100	.0098	.0096	.0094	.0092	
1100	−.066	−.032	0	.031	.062	.092	.120	.148	.174	0.03
	.0118	.0116	.0114	.0111	.0109	.0107	.0105	.0103	.0101	
1200	−.072	−.035	0	.034	.068	.100	.131	.161	.190	0.03
	.0128	.0126	.0124	.0121	.0119	.0117	.0115	.0113	.0111	
1300	−.078	−.038	0	.037	.073	.108	.141	.174	.205	0.04
	.0139	.0136	.0134	.0131	.0129	.0127	.0124	.0122	.0120	
1400	−.084	−.041	0	.040	.078	.116	.152	.187	.220	0.04
	.0149	.0147	.0144	.0141	.0139	.0136	.0134	.0131	.0129	
1500	−.089	−.044	0	.043	.084	.124	.162	.200	.236	0.04
	.0160	.0157	.0154	.0151	.0148	.0146	.0143	.0140	.0138	
1600	−.095	−.047	0	.045	.089	.132	.173	.212	.251	0.05
	.0170	.0167	.0164	.0161	.0158	.0155	.0152	.0149	.0147	
1700	−.101	−.049	0	.048	.095	.139	.183	.225	.266	0.05
	.0181	.0177	.0174	.0171	.0168	.0165	.0162	.0158	.0156	
1800	−.106	−.052	0	.051	.100	.147	.193	.238	.281	0.05
	.0191	.0187	.0184	.0181	.0178	.0174	.0171	.0168	.0164	
1900	−.112	−.055	0	.053	.105	.155	.203	.250	.295	0.05
	.0201	.0198	.0194	.0190	.0187	.0183	.0180	.0177	.0173	
2000	−.118	−.058	0	.056	.110	.163	.214	.263	.310	0.06
	.0211	.0208	.0204	.0200	.0196	.0193	.0189	.0186	.0182	

Tab. V. $D' = d' + (\sigma_t - 28)\, d'_1 - (\sigma_t - 28)^2 d'_2$. $\sigma = \sigma_t + C - D'$

p	$d' = 000$					$d'_1 = 000$				
	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°
0	0	0	0	0	0	0	0	0	0	0
50	.009 *.0005*	.010 *.0005*	.012 *.0004*	.013 *.0004*	.014 *.0004*	.015 *.0004*	.016 *.0004*	.017 *.0004*	.017 *.0004*	.018 *.0004*
100	.019 *.0009*	.021 *.0009*	.023 *.0009*	.025 *.0009*	.027 *.0009*	.029 *.0008*	.031 *.0008*	.033 *.0008*	.035 *.0008*	.037 *.0008*
150	.028 *.0014*	.031 *.0014*	.035 *.0013*	.038 *.0013*	.041 *.0013*	.044 *.0013*	.047 *.0012*	.050 *.0012*	.052 *.0012*	.055 *.0012*
200	.037 *.0018*	.042 *.0018*	.046 *.0018*	.050 *.0017*	.055 *.0017*	.058 *.0017*	.062 *.0016*	.066 *.0016*	.070 *.0016*	.073 *.0016*
250	.046 *.0023*	.052 *.0023*	.058 *.0022*	.063 *.0022*	.068 *.0021*	.073 *.0021*	.078 *.0021*	.083 *.0020*	.087 *.0020*	.091 *.0020*
300	.056 *.0027*	.063 *.0027*	.069 *.0026*	.076 *.0026*	.082 *.0026*	.088 *.0025*	.093 *.0025*	.099 *.0024*	.104 *.0024*	.109 *.0023*
350	.065 *.0032*	.073 *.0031*	.081 *.0031*	.088 *.0030*	.095 *.0030*	.102 *.0029*	.109 *.0029*	.115 *.0028*	.121 *.0028*	.127 *.0027*
400	.074 *.0037*	.083 *.0036*	.092 *.0035*	.101 *.0035*	.109 *.0034*	.117 *.0033*	.124 *.0033*	.132 *.0032*	.138 *.0032*	.145 *.0031*
450	.083 *.0041*	.093 *.0040*	.103 *.0040*	.113 *.0039*	.122 *.0038*	.131 *.0038*	.140 *.0037*	.148 *.0036*	.156 *.0036*	.163 *.0035*
500	.092 *.0046*	.104 *.0045*	.115 *.0044*	.125 *.0043*	.136 *.0042*	.145 *.0042*	.155 *.0041*	.164 *.0040*	.173 *.0040*	.181 *.0039*
600	.110 *.0055*	.124 *.0054*	.137 *.0053*	.150 *.0052*	.162 *.0051*	.174 *.0050*	.185 *.0049*	.196 *.0048*	.207 *.0047*	.217 *.0047*
700	.129 *.0064*	.145 *.0063*	.160 *.0061*	.175 *.0060*	.189 *.0059*	.203 *.0058*	.216 *.0057*	.229 *.0056*	.241 *.0055*	.253 *.0054*
800	.147 *.0073*	.165 *.0071*	.182 *.0070*	.199 *.0069*	.215 *.0068*	.231 *.0066*	.246 *.0065*	.261 *.0064*	.275 *.0063*	.288 *.0062*
900	.164 *.0082*	.185 *.0080*	.205 *.0079*	.224 *.0077*	.242 *.0076*	.259 *.0075*	.276 *.0073*	.292 *.0072*	.308 *.0071*	.323 *.0070*
1000	.182 *.0091*	.205 *.0089*	.227 *.0087*	.248 *.0086*	.268 *.0084*	.287 *.0083*	.306 *.0081*	.324 *.0080*	.342 *.0079*	.358 *.0077*
1100	.200 *.0100*	.225 *.0098*	.249 *.0096*	.272 *.0094*	.294 *.0093*	.315 *.0091*	.336 *.0089*	.356 *.0088*	.375 *.0086*	.393 *.0085*
1200	.218 *.0109*	.245 *.0107*	.271 *.0105*	.296 *.0103*	.320 *.0101*	.343 *.0099*	.366 *.0097*	.387 *.0096*	.408 *.0094*	.428 *.0093*
1300	.235 *.0117*	.265 *.0115*	.293 *.0113*	.320 *.0111*	.346 *.0109*	.371 *.0107*	.395 *.0105*	.418 *.0103*	.441 *.0102*	.462 *.0100*
1400	.253 *.0126*	.284 *.0124*	.314 *.0122*	.344 *.0120*	.372 *.0117*	.399 *.0115*	.425 *.0113*	.449 *.0111*	.474 *.0110*	.496 *.0108*
1500	.270 *.0135*	.304 *.0133*	.336 *.0130*	.367 *.0128*	.397 *.0126*	.426 *.0123*	.454 *.0121*	.480 *.0119*	.506 *.0117*	.531 *.0115*
1600	.288 *.0144*	.323 *.0141*	.357 *.0139*	.391 *.0136*	.423 *.0134*	.453 *.0131*	.483 *.0129*	.511 *.0127*	.539 *.0125*	.565 *.0123*
1700	.305 *.0153*	.343 *.0150*	.379 *.0147*	.414 *.0144*	.448 *.0142*	.480 *.0139*	.512 *.0137*	.542 *.0135*	.571 *.0132*	.599 *.0130*
1800	.322 *.0161*	.362 *.0158*	.400 *.0156*	.437 *.0153*	.473 *.0150*	.507 *.0147*	.541 *.0145*	.572 *.0142*	.603 *.0140*	.632 *.0138*
1900	.339 *.0170*	.381 *.0167*	.421 *.0164*	.461 *.0161*	.498 *.0158*	.534 *.0155*	.569 *.0153*	.603 *.0150*	.635 *.0148*	.666 *.0145*
2000	.356 *.0179*	.400 *.0176*	.443 *.0172*	.484 *.0169*	.523 *.0166*	.561 *.0163*	.598 *.0160*	.633 *.0158*	.667 *.0155*	.699 *.0153*

Tab. V. $D' = d' + (\sigma_t - 28)\, d'_1 - (\sigma_t - 28)^2 d'_2$. $\sigma = \sigma_t + C - D'$

p	$d' = 000$				$d'_1 = 000$					$1000\, d'_2$
	16°	17°	18°	19°	20°	21°	22°	23°	24°	$t = 20$
0	0	0	0	0	0	0	0	0	0	0
50	.018 *.0004*	.019 *.0004*	.020 *.0004*	.021 *.0004*	.021 *.0004*	.022 *.0004*	.023 *.0004*	.023 *.0004*	.024 *.0004*	0.00
100	.037 *.0008*	.038 *.0008*	.040 *.0008*	.041 *.0007*	.043 *.0007*	.044 *.0007*	.045 *.0007*	.047 *.0007*	.048 *.0007*	0.00
150	.055 *.0012*	.057 *.0012*	.060 *.0011*	.062 *.0011*	.064 *.0011*	.066 *.0011*	.068 *.0011*	.070 *.0011*	.072 *.0011*	0.00
200	.073 *.0016*	.076 *.0015*	.079 *.0015*	.082 *.0015*	.085 *.0015*	.088 *.0015*	.091 *.0014*	.093 *.0014*	.096 *.0014*	0.00
250	.091 *.0020*	.095 *.0019*	.099 *.0019*	.103 *.0019*	.106 *.0018*	.110 *.0018*	.113 *.0018*	.116 *.0018*	.119 *.0018*	0.00
300	.109 *.0023*	.114 *.0023*	.119 *.0023*	.123 *.0022*	.127 *.0022*	.132 *.0022*	.136 *.0022*	.139 *.0021*	.143 *.0021*	0.01
350	.127 *.0027*	.133 *.0027*	.138 *.0027*	.144 *.0026*	.149 *.0026*	.153 *.0025*	.158 *.0025*	.163 *.0025*	.167 *.0025*	0.01
400	.145 *.0031*	.152 *.0031*	.158 *.0030*	.164 *.0030*	.170 *.0029*	.175 *.0029*	.181 *.0029*	.186 *.0028*	.191 *.0028*	0.01
450	.163 *.0035*	.171 *.0035*	.177 *.0034*	.184 *.0034*	.191 *.0033*	.197 *.0033*	.203 *.0032*	.209 *.0032*	.214 *.0032*	0.01
500	.181 *.0039*	.189 *.0038*	.197 *.0038*	.205 *.0037*	.212 *.0037*	.219 *.0036*	.225 *.0036*	.232 *.0035*	.238 *.0035*	0.01
600	.217 *.0047*	.227 *.0046*	.236 *.0045*	.245 *.0045*	.253 *.0044*	.262 *.0044*	.270 *.0043*	.277 *.0043*	.285 *.0042*	0.01
700	.253 *.0054*	.264 *.0054*	.274 *.0053*	.285 *.0052*	.295 *.0051*	.304 *.0051*	.314 *.0050*	.323 *.0050*	.331 *.0049*	0.01
800	.288 *.0062*	.301 *.0061*	.313 *.0060*	.325 *.0059*	.336 *.0059*	.347 *.0058*	.358 *.0057*	.368 *.0057*	.378 *.0056*	0.01
900	.323 *.0070*	.337 *.0069*	.351 *.0068*	.365 *.0067*	.377 *.0066*	.390 *.0065*	.402 *.0064*	.413 *.0063*	.424 *.0063*	0.02
1000	.358 *.0077*	.374 *.0076*	.389 *.0075*	.404 *.0074*	.418 *.0073*	.432 *.0072*	.445 *.0071*	.458 *.0070*	.470 *.0070*	0.02
1100	.393 *.0085*	.410 *.0084*	.427 *.0082*	.443 *.0081*	.459 *.0080*	.474 *.0079*	.488 *.0078*	.502 *.0077*	.516 *.0077*	0.02
1200	.428 *.0093*	.447 *.0091*	.465 *.0090*	.483 *.0089*	.500 *.0087*	.516 *.0086*	.532 *.0085*	.547 *.0084*	.561 *.0083*	0.02
1300	.462 *.0100*	.483 *.0099*	.503 *.0097*	.522 *.0096*	.540 *.0095*	.558 *.0093*	.575 *.0092*	.591 *.0091*	.607 *.0090*	0.02
1400	.496 *.0108*	.519 *.0106*	.540 *.0105*	.560 *.0103*	.580 *.0102*	.599 *.0100*	.617 *.0099*	.635 *.0098*	.652 *.0097*	0.02
1500	.531 *.0115*	.554 *.0114*	.577 *.0112*	.599 *.0110*	.620 *.0109*	.641 *.0107*	.660 *.0106*	.679 *.0105*	.697 *.0104*	0.03
1600	.565 *.0123*	.590 *.0121*	.614 *.0119*	.638 *.0117*	.660 *.0116*	.682 *.0114*	.703 *.0113*	.723 *.0112*	.742 *.0110*	0.03
1700	.599 *.0130*	.625 *.0128*	.651 *.0126*	.676 *.0125*	.700 *.0123*	.723 *.0121*	.745 *.0120*	.766 *.0118*	.787 *.0117*	0.03
1800	.632 *.0138*	.661 *.0136*	.688 *.0134*	.714 *.0132*	.739 *.0130*	.764 *.0128*	.787 *.0127*	.809 *.0125*	.831 *.0124*	0.03
1900	.666 *.0145*	.696 *.0143*	.724 *.0141*	.752 *.0139*	.779 *.0137*	.804 *.0135*	.829 *.0133*	.852 *.0132*	.875 *.0131*	0.03
2000	.699 *.0153*	.731 *.0150*	.761 *.0148*	.790 *.0146*	.818 *.0144*	.844 *.0142*	.870 *.0140*	.895 *.0139*	.919 *.0137*	0.04

Tab. V. $D' = d' + (\sigma_t - 28)\, d'_1 - (\sigma_t - 28)^2\, d'_2$. $\sigma = \sigma_t + C - D'$

p	$d' = 000$					$d'_1 = 000$			
	25°	**26°**	**27°**	**28°**	**29°**	**30°**	**31°**	**32°**	**33°**
0	0	0	0	0	0	0	0	0	0
50	.025 *.0004*	.025 *.0003*	.026 *.0003*	.026 *.0003*	.027 *.0003*	.027 *.0003*	.028 *.0003*	.028 *.0003*	.029 *.0003*
100	.049 *.0007*	.050 *.0007*	.051 *.0007*	.052 *.0007*	.053 *.0007*	.054 *.0007*	.055 *.0007*	.056 *.0007*	.057 *.0007*
150	.074 *.0011*	.075 *.0010*	.077 *.0010*	.078 *.0010*	.080 *.0010*	.082 *.0010*	.083 *.0010*	.084 *.0010*	.086 *.0010*
200	.098 *.0014*	.100 *.0014*	.103 *.0014*	.105 *.0014*	.107 *.0014*	.109 *.0014*	.111 *.0014*	.112 *.0014*	.114 *.0014*
250	.122 *.0017*	.125 *.0017*	.128 *.0017*	.131 *.0017*	.133 *.0017*	.136 *.0017*	.138 *.0017*	.140 *.0017*	.143 *.0017*
300	.147 *.0021*	.150 *.0021*	.153 *.0021*	.157 *.0021*	.160 *.0020*	.163 *.0020*	.166 *.0020*	.168 *.0020*	.171 *.0020*
350	.171 *.0024*	.175 *.0024*	.179 *.0024*	.182 *.0024*	.186 *.0024*	.190 *.0024*	.193 *.0024*	.196 *.0024*	.199 *.0024*
400	.195 *.0028*	.200 *.0028*	.204 *.0027*	.208 *.0027*	.213 *.0027*	.217 *.0027*	.220 *.0027*	.224 *.0027*	.228 *.0027*
450	.219 *.0031*	.224 *.0031*	.230 *.0031*	.234 *.0031*	.239 *.0031*	.243 *.0030*	.248 *.0030*	.252 *.0030*	.256 *.0030*

Tab. VI, a. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$ $d_1 = 000$										$1000\, d_2$
	−2°.0	−1°.9	−1°.8	−1°.7	1°.6	−1°.5	−1°.4	−1°.3	−1°.2	−1°.1	$t = -1°$
0	−.076 −.0078	−.074 −.0074	−.071 −.0070	−.069 −.0066	−.066 −.0062	−.063 −.0058	−.059 −.0054	−.056 −.0050	−.053 −.0046	−.049 −.0042	−0.02
50	−.079 −.0072	−.077 −.0068	−.074 −.0064	−.071 −.0060	−.068 −.0056	−.065 −.0052	−.062 −.0048	−.058 −.0045	−.055 −.0041	−.051 −.0037	−0.02
100	−.082 −.0067	−.079 −.0063	−.077 −.0059	−.074 −.0055	−.070 −.0051	−.067 −.0047	−.064 −.0043	−.060 −.0039	−.056 −.0035	−.052 −.0032	−0.02
150	−.085 −.0061	−.082 −.0057	−.079 −.0053	−.076 −.0049	−.073 −.0045	−.069 −.0042	−.066 −.0038	−.062 −.0034	−.058 −.0030	−.054 −.0026	−0.01
200	−.088 −.0056	−.085 −.0052	−.082 −.0048	−.079 −.0044	−.075 −.0040	−.072 −.0036	−.068 −.0032	−.064 −.0029	−.060 −.0025	−.056 −.0021	−0.01
250	−.091 −.0050	−.088 −.0046	−.085 −.0043	−.081 −.0039	−.078 −.0035	−.074 −.0031	−.070 −.0027	−.066 −.0023	−.062 −.0019	−.057 −.0015	−0.01
300	−.094 −.0045	−.091 −.0041	−.087 −.0037	−.084 −.0033	−.080 −.0029	−.076 −.0025	−.072 −.0022	−.068 −.0018	−.063 −.0014	−.059 −.0010	−0.01
350	−.097 −.0039	−.094 −.0036	−.090 −.0032	−.086 −.0028	−.082 −.0024	−.078 −.0020	−.074 −.0016	−.070 −.0013	−.065 −.0009	−.061 −.0005	−0.01
400	−.100 −.0034	−.097 −.0030	−.093 −.0026	−.089 −.0022	−.085 −.0019	−.081 −.0015	−.076 −.0011	−.072 −.0007	−.067 −.0003	−.062 .0000	−0.01
450	−.103 −.0029	−.099 −.0025	−.095 −.0021	−.091 −.0017	−.087 −.0013	−.083 −.0009	−.078 −.0006	−.074 −.0002	−.069 .0002	−.064 .0006	−0.01
500	−.106 −.0023	−.102 −.0019	−.098 −.0016	−.094 −.0012	−.090 −.0008	−.085 −.0004	−.080 .0000	−.076 .0004	−.071 .0007	−.065 .0011	0.00
600	−.112 −.0012	−.108 −.0009	−.103 −.0005	−.099 −.0001	−.094 .0003	−.089 .0007	−.084 .0010	−.079 .0014	−.074 .0018	−.069 .0022	0.00
700	−.118 −.0002	−.113 .0002	−.109 .0006	−.104 .0010	−.099 .0013	−.094 .0017	−.089 .0021	−.083 .0025	−.078 .0028	−.072 .0032	0.00
800	−.124 .0009	−.119 .0013	−.114 .0017	−.109 .0020	−.104 .0024	−.098 .0028	−.093 .0032	−.087 .0035	−.081 .0039	−.075 .0043	0.00
900	−.130 .0020	−.125 .0023	−.119 .0027	−.114 .0031	−.108 .0035	−.102 .0038	−.097 .0042	−.091 .0046	−.084 .0049	−.078 .0053	0.01
1000	−.136 .0030	−.130 .0034	−.125 .0038	−.119 .0042	−.113 .0045	−.107 .0049	−.101 .0053	−.094 .0056	−.088 .0060	−.081 .0064	0.01
1100	−.141 .0041	−.136 .0045	−.130 .0048	−.124 .0052	−.118 .0056	−.111 .0059	−.105 .0063	−.098 .0067	−.091 .0070	−.084 .0074	0.01
1200	−.147 .0052	−.141 .0055	−.135 .0059	−.129 .0063	−.122 .0066	−.115 .0070	−.109 .0074	−.102 .0077	−.095 .0081	−.088 .0084	0.02
1300	−.153 .0062	−.147 .0066	−.140 .0070	−.133 .0073	−.127 .0077	−.120 .0080	−.113 .0084	−.105 .0088	−.098 .0091	−.091 .0095	0.02
1400	−.159 .0073	−.152 .0076	−.145 .0080	−.138 .0084	−.131 .0087	−.124 .0091	−.117 .0095	−.109 .0098	−.101 .0102	−.094 .0105	0.02
1500	−.164 .0083	−.157 .0087	−.150 .0091	−.143 .0094	−.136 .0098	−.128 .0101	−.121 .0105	−.113 .0109	−.105 .0112	−.097 .0116	0.02
1600	−.170 .0094	−.163 .0097	−.155 .0101	−.148 .0105	−.140 .0108	−.132 .0112	−.124 .0115	−.116 .0119	−.108 .0122	−.100 .0126	0.03
1700	−.176 .0104	−.168 .0108	−.160 .0111	−.153 .0115	−.145 .0118	−.137 .0122	−.128 .0126	−.120 .0129	−.111 .0133	−.103 .0136	0.03
1800	−.181 .0115	−.173 .0118	−.165 .0122	−.157 .0125	−.149 .0129	−.141 .0132	−.132 .0136	−.124 .0139	−.115 .0143	−.106 .0146	0.03
1900	−.187 .0125	−.179 .0128	−.170 .0132	−.162 .0136	−.153 .0139	−.145 .0143	−.136 .0146	−.127 .0150	−.118 .0153	−.109 .0157	0.04
2000	−.192 .0135	−.184 .0139	−.175 .0142	−.167 .0146	−.158 .0149	−.149 .0153	−.140 .0156	−.131 .0160	−.121 .0163	−.112 .0167	0.04

Tab. VI, a. $D = d + (\sigma_0 - 28)\,d_1 - (\sigma_0 - 28)^2\,d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					
	−1°.0	−0°.9	−0°.8	−0°.7	−0°.6	−0°.5	−0°.4	−0°.3	−0°.2	−0°.1	0°.0
0	−.045	−.042	−.037	−.033	−.029	−.024	−.020	−.015	−.010	−.005	0
	−.0038	−.0034	−.0031	−.0027	−.0023	−.0019	−.0015	−.0011	−.0008	−.0004	0
50	−.047	−.043	−.039	−.034	−.030	−.025	−.020	−.016	−.010	−.005	0
	−.0033	−.0029	−.0025	−.0021	−.0018	−.0014	−.0010	−.0006	−.0002	.0001	.0005
100	−.048	−.044	−.040	−.035	−.031	−.026	−.021	−.016	−.011	−.005	0
	−.0028	−.0024	−.0020	−.0016	−.0012	−.0008	−.0005	−.0001	.0003	.0007	.0010
150	−.050	−.045	−.041	−.036	−.032	−.027	−.022	−.016	−.011	−.006	0
	−.0022	−.0018	−.0015	−.0011	−.0007	−.0003	.0001	.0004	.0008	.0012	.0016
200	−.051	−.047	−.042	−.037	−.032	−.027	−.022	−.017	−.011	−.006	0
	−.0017	−.0013	−.0009	−.0006	−.0002	.0002	.0006	.0010	.0013	.0017	.0021
250	−.053	−.048	−.043	−.038	−.033	−.028	−.023	−.017	−.012	−.006	0
	−.0012	−.0008	−.0004	.0000	.0003	.0007	.0011	.0015	.0019	.0022	.0026
300	−.054	−.049	−.045	−.039	−.034	−.029	−.023	−.018	−.012	−.006	0
	−.0006	−.0002	.0001	.0005	.0009	.0013	.0016	.0020	.0024	.0027	.0031
350	−.056	−.051	−.046	−.041	−.035	−.030	−.024	−.018	−.012	−.006	0
	−.0001	.0003	.0006	.0010	.0014	.0018	.0022	.0025	.0029	.0033	.0036
400	−.057	−.052	−.047	−.042	−.036	−.030	−.025	−.019	−.013	−.006	0
	)004	.0008	.0012	.0016	.0019	.0023	.0027	.0031	.0034	.0038	.0042
450	−.059	−.053	−.048	−.043	−.037	−.031	−.025	−.019	−.013	−.006	0
	.0010	.0013	.0017	.0021	.0025	.0028	.0032	.0036	.0039	.0043	.0047
500	−.060	−.055	−.049	−.044	−.038	−.032	−.026	−.019	−.013	−.007	0
	.0015	.0019	.0022	.0026	.0030	.0034	.0037	.0041	.0045	.0048	.0052
600	−.063	−.057	−.052	−.046	−.039	−.033	−.027	−.020	−.014	−.007	0
	.0025	.0029	.0033	.0036	.0040	.0044	.0048	.0051	.0055	.0059	.0062
700	−.066	−.060	−.054	−.048	−.041	−.035	−.028	−.021	−.014	−.007	0
	.0036	.0040	.0043	.0047	.0051	.0054	.0058	.0062	.0065	.0069	.0073
800	−.069	−.063	−.056	−.050	−.043	−.036	−.029	−.022	−.015	−.007	0
	.0046	.0050	.0054	.0057	.0061	.0065	.0068	.0072	.0076	.0079	.0083
900	−.072	−.065	−.058	−.052	−.045	−.038	−.030	−.023	−.015	−.008	0
	.0057	.0060	.0064	.0068	.0071	.0075	.0079	.0082	.0086	.0089	.0093
1000	−.075	−.068	−.061	−.054	−.046	−.039	−.031	−.024	−.016	−.008	0
	.0067	.0071	.0075	.0078	.0082	.0085	.0089	.0093	.0096	.0100	.0103
1100	−.077	−.070	−.063	−.056	−.048	−.040	−.033	−.025	−.017	−.008	0
	.0078	.0081	.0085	.0089	.0092	.0096	.0099	.0103	.0106	.0110	.0113
1200	−.080	−.073	−.065	−.058	−.050	−.042	−.034	−.025	−.017	−.009	0
	.0088	.0092	.0095	.0099	.0102	.0106	.0109	.0113	.0117	.0120	.0124
1300	−.083	−.075	−.067	−.059	−.051	−.043	−.035	−.026	−.018	−.009	0
	.0098	.0102	.0106	.0109	.0113	.0116	.0120	.0123	.0127	.0130	.0134
1400	−.086	−.078	−.070	−.061	−.053	−.045	−.036	−.027	−.018	−.009	0
	.0109	.0112	.0116	.0119	.0123	.0126	.0130	.0133	.0137	.0140	.0144
1500	−.089	−.080	−.072	−.063	−.055	−.046	−.037	−.028	−.019	−.009	0
	.0119	.0123	.0126	.0130	.0133	.0137	.0140	.0144	.0147	.0150	.0154
1600	−.091	−.083	−.074	−.065	−.056	−.047	−.038	−.029	−.019	−.010	0
	.0129	.0133	.0136	.0140	.0143	.0147	.0150	.0154	.0157	.0161	.0164
1700	−.094	−.085	−.076	−.067	−.058	−.049	−.039	−.030	−.020	−.010	0
	.0140	.0143	.0147	.0150	.0153	.0157	.0160	.0164	.0167	.0171	.0174
1800	−.097	−.088	−.079	−.069	−.060	−.050	−.040	−.030	−.020	−.010	0
	.0150	.0153	.0157	.0160	.0164	.0167	.0170	.0174	.0177	.0181	.0184
1900	−.100	−.090	−.081	−.071	−.061	−.051	−.041	−.031	−.021	−.011	0
	.0160	.0163	.0167	.0170	.0174	.0177	.0180	.0184	.0187	.0191	.0194
2000	−.102	−.093	−.083	−.073	−.063	−.053	−.042	−.032	−.021	−.011	0
	.0170	.0174	.0177	.0180	.0184	.0187	.0190	.0194	.0197	.0200	.0204

Tab. VI, a. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					$1000\, d_2$
	0°.0	0°.1	0°.2	0°.3	0°.4	0°.5	0°.6	0°.7	0°.8	0°.9	$t = 1°$
0	0 *0*	0.005 *.0004*	0.011 *.0008*	0.016 *.0011*	0.022 *.0015*	0.028 *.0019*	0.034 *.0022*	0.040 *.0026*	0.046 *.0030*	0.053 *.0034*	0.02
50	0 *.0005*	0.005 *.0009*	0.011 *.0013*	0.017 *.0016*	0.023 *.0020*	0.029 *.0024*	0.035 *.0028*	0.041 *.0031*	0.048 *.0035*	0.054 *.0039*	0.02
100	0 *.0010*	0.006 *.0014*	0.011 *.0018*	0.017 *.0022*	0.023 *.0025*	0.029 *.0029*	0.036 *.0033*	0.042 *.0036*	0.049 *.0040*	0.056 *.0044*	0.02
150	0 *.0016*	0.006 *.0019*	0.012 *.0023*	0.018 *.0027*	0.024 *.0031*	0.030 *.0034*	0.037 *.0038*	0.043 *.0042*	0.050 *.0045*	0.057 *.0049*	0.02
200	0 *.0021*	0.006 *0.025*	0.012 *.0028*	0.018 *.0032*	0.025 *.0036*	0.031 *.0039*	0.038 *.0043*	0.044 *.0047*	0.051 *.0050*	0.058 *.0054*	0.02
250	0 *.0026*	0.006 *.0030*	0.012 *.0033*	0.019 *.0037*	0.025 *.0041*	0.032 *.0045*	0.038 *.0048*	0.045 *.0052*	0.052 *.0056*	0.059 *.0059*	0.02
300	0 *.0031*	0.006 *.0035*	0.013 *.0039*	0.019 *.0042*	0.026 *.0046*	0.032 *.0050*	0.039 *.0053*	0.046 *.0057*	0.053 *.0061*	0.061 *.0064*	0.03
350	0 *.0036*	0.006 *.0040*	0.013 *.0044*	0.019 *.0047*	0.026 *.0051*	0.033 *.0055*	0.040 *.0058*	0.047 *.0062*	0.055 *.0066*	0.062 *.0069*	0.03
400	0 *.0042*	0.007 *.0045*	0.013 *.0049*	0.020 *.0053*	0.027 *.0056*	0.034 *.0060*	0.041 *.0064*	0.048 *.0067*	0.056 *.0071*	0.063 *.0074*	0.03
450	0 *.0047*	0.007 *.0050*	0.013 *.0054*	0.020 *.0058*	0.027 *.0061*	0.035 *.0065*	0.042 *.0069*	0.049 *.0072*	0.057 *.0076*	0.065 *.0079*	0.03
500	0 *.0052*	0.007 *.0056*	0.014 *.0059*	0.021 *.0063*	0.028 *.0067*	0.035 *.0070*	0.043 *.0074*	0.050 *.0077*	0.058 *.0081*	0.066 *.0085*	0.03
600	0 *.0062*	0.007 *.0066*	0.014 *.0069*	0.022 *.0073*	0.029 *.0077*	0.037 *.0080*	0.044 *.0084*	0.052 *.0087*	0.060 *.0091*	0.068 *.0095*	0.03
700	0 *.0073*	0.007 *.0076*	0.015 *.0080*	0.022 *.0083*	0.030 *.0087*	0.038 *.0091*	0.046 *.0094*	0.054 *.0098*	0.062 *.0101*	0.071 *.0105*	0.04
800	0 *.0083*	0.008 *.0086*	0.015 *.0090*	0.023 *.0094*	0.031 *.0097*	0.039 *.0101*	0.048 *.0104*	0.056 *.0108*	0.065 *.0111*	0.073 *.0115*	0.04
900	0 *.0093*	0.008 *.0097*	0.016 *.0100*	0.024 *.0104*	0.032 *.0107*	0.041 *.0111*	0.049 *.0114*	0.058 *.0118*	0.067 *.0121*	0.076 *.0125*	0.04
1000	0 *.0103*	0.008 *.0107*	0.016 *.0110*	0.025 *.0114*	0.033 *.0117*	0.042 *.0121*	0.051 *.0124*	0.060 *.0128*	0.069 *.0131*	0.078 *.0135*	0.04
1100	0 *.0113*	0.008 *.0117*	0.017 *.0120*	0.026 *.0124*	0.035 *.0127*	0.044 *.0131*	0.053 *.0134*	0.062 *.0138*	0.071 *.0141*	0.081 *.0145*	0.05
1200	0 *.0124*	0.009 *.0127*	0.018 *.0131*	0.027 *.0134*	0.036 *.0138*	0.045 *.0141*	0.054 *.0144*	0.064 *.0148*	0.073 *.0151*	0.083 *.0155*	0.05
1300	0 *.0134*	0.009 *.0137*	0.018 *.0141*	0.027 *.0144*	0.037 *.0148*	0.046 *.0151*	0.056 *.0154*	0.066 *.0158*	0.076 *.0161*	0.086 *.0165*	0.05
1400	0 *.0144*	0.009 *.0147*	0.019 *.0151*	0.028 *.0154*	0.038 *.0158*	0.048 *.0161*	0.058 *.0164*	0.068 *.0168*	0.078 *.0171*	0.088 *.0175*	0.06
1500	0 *.0154*	0.010 *.0157*	0.019 *.0161*	0.029 *.0164*	0.039 *.0168*	0.049 *.0171*	0.059 *.0.174*	0.070 *.0178*	0.080 *.0181*	0.090 *.0184*	0.06
1600	0 *.0164*	0.010 *.0167*	0.020 *.0171*	0.030 *.0174*	0.040 *.0177*	0.050 *.0181*	0.061 *.0184*	0.071 *.0188*	0.082 *.0191*	0.093 *.0194*	0.06
1700	0 *.0174*	0.010 *.0177*	0.020 *.0181*	0.031 *.0184*	0.041 *.0187*	0.052 *.0191*	0.062 *.0194*	0.073 *.0197*	0.084 *.0201*	0.095 *.0204*	0.06
1800	0 *.0184*	0.010 *.0187*	0.021 *.0191*	0.032 *.0194*	0.042 *.0197*	0.053 *.0201*	0.064 *.0204*	0.075 *.0207*	0.086 *.0211*	0.098 *.0214*	0.07
1900	0 *.0194*	0.011 *.0197*	0.021 *.0201*	0.032 *.0204*	0.043 *.0207*	0.054 *.0210*	0.066 *.0214*	0.077 *.0217*	0.088 *.0220*	0.100 *.0224*	0.07
2000	0 *.0204*	0.011 *.0207*	0.022 *.0210*	0.033 *.0214*	0.044 *.0217*	0.056 *.0220*	0.067 *.0224*	0.079 *.0227*	0.091 *.0230*	0.102 *.0233*	0.07

Tab. VI, a. $D = d + (\sigma_0 - 28)\,d_1 - (\sigma_0 - 28)^2\,d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					
	1°.0	1°.1	1°.2	1°.3	1°.4	1°.5	1°.6	1°.7	1°.8	1°.9	2°.0
0	0.059	0.066	0.073	0.080	0.087	0.094	0.102	0.109	0.117	0.124	0.132
	.0037	.0041	.0045	.0048	.0052	.0055	.0059	.0063	.0066	.0070	.0073
50	0.061	0.068	0.075	0.082	0.089	0.096	0.104	0.111	0.119	0.127	0.135
	.0042	.0046	.0050	.0053	.0057	.0060	.0064	.0068	.0071	.0075	.0078
100	0.062	0.069	0.076	0.084	0.091	0.099	0.106	0.114	0.122	0.130	0.138
	.0047	.0051	.0055	.0058	.0062	.0065	.0069	.0073	.0076	.0080	.0083
150	0.064	0.071	0.078	0.086	0.093	0.101	0.108	0.116	0.124	0.132	0.141
	.0052	.0056	.0060	.0063	.0067	.0071	.0074	.0078	.0081	.0085	.0088
200	0.065	0.072	0.080	0.087	0.095	0.103	0.111	0.119	0.127	0.135	0.144
	.0058	.0061	.0065	.0068	.0072	.0076	.0079	.0083	.0086	.0090	.0093
250	0.067	0.074	0.082	0.089	0.097	0.105	0.113	0.121	0.129	0.138	0.146
	.0063	.0066	.0070	.0073	.0077	.0081	.0084	.0088	.0091	.0095	.0098
300	0.068	0.076	0.083	0.091	0.099	0.107	0.115	0.124	0.132	0.140	0.149
	.0068	.0071	.0075	.0078	.0082	.0086	.0089	.0093	.0096	.0100	.0103
350	0.070	0.077	0.085	0.093	0.101	0.109	0.117	0.126	0.134	0.143	0.152
	.0073	.0076	.0080	.0084	.0087	.0091	.0094	.0098	.0101	.0105	.0108
400	0.071	0.079	0.087	0.095	0.103	0.111	0.120	0.128	0.137	0.146	0.155
	.0078	.0081	.0085	.0089	.0092	.0096	.0099	.0103	.0106	.0110	.0113
450	0.072	0.080	0.088	0.097	0.105	0.113	0.122	0.131	0.139	0.148	0.157
	.0083	.0086	.0090	.0094	.0097	.0101	.0104	.0108	.0111	.0115	.0118
500	0.074	0.082	0.090	0.098	0.107	0.115	0.124	0.133	0.142	0.151	0.160
	.0088	.0092	.0095	.0099	.0102	.0106	.0109	.0113	.0116	.0120	.0123
600	0.077	0.085	0.093	0.102	0.111	0.120	0.129	0.138	0.147	0.156	0.166
	.0098	.0102	.0105	.0109	.0112	.0116	.0119	.0123	.0126	.0130	.0133
700	0.079	0.088	0.097	0.106	0.115	0.124	0.133	0.142	0.152	0.162	0.171
	.0108	.0112	.0115	.0119	.0122	.0126	.0129	.0133	.0136	.0140	.0143
800	0.082	0.091	0.100	0.109	0.118	0.128	0.137	0.147	0.157	0.167	0.177
	.0118	.0122	.0125	.0129	.0132	.0136	.0139	.0142	.0146	.0149	.0153
900	0.085	0.094	0.103	0.113	0.122	0.132	0.142	0.152	0.162	0.172	0.182
	.0128	.0132	.0135	.0139	.0142	.0145	.0149	.0152	.0156	.0159	.0162
1000	0.088	0.097	0.107	0.116	0.126	0.136	0.146	0.156	0.167	0.177	0.187
	.0138	.0142	.0145	.0149	.0152	.0155	.0159	.0162	.0165	.0169	.0172
1100	0.090	0.100	0.110	0.120	0.130	0.140	0.150	0.161	0.171	0.182	0.193
	.0148	.0152	.0155	.0158	.0162	.0165	.0169	.0172	.0175	.0179	.0182
1200	0.093	0.103	0.113	0.123	0.134	0.144	0.155	0.165	0.176	0.187	0.198
	.0158	.0161	.0165	.0168	.0172	.0175	.0178	.0182	.0185	.0188	.0192
1300	0.096	0.106	0.116	0.127	0.137	0.148	0.159	0.170	0.181	0.192	0.204
	.0168	.0171	.0175	.0178	.0181	.0185	.0188	.0191	.0195	.0198	.0201
1400	0.098	0.109	0.120	0.130	0.141	0.152	0.163	0.174	0.186	0.197	0.209
	.0178	.0181	.0185	.0188	.0191	.0195	.0198	.0201	.0205	.0208	.0211
1500	0.101	0.112	0.123	0.134	0.145	0.156	0.168	0.179	0.191	0.202	0.214
	.0188	.0191	.0194	.0198	.0201	.0204	.0208	.0211	.0214	.0217	.0221
1600	0.104	0.115	0.126	0.137	0.149	0.160	0.172	0.184	0.195	0.207	0.219
	.0198	.0201	.0204	.0207	.0211	.0214	.0217	.0221	.0224	.0227	.0230
1700	0.106	0.118	0.129	0.141	0.152	0.164	0.176	0.188	0.200	0.212	0.225
	.0207	.0211	.0214	.0217	.0220	.0224	.0227	.0230	.0233	.0237	.0240
1800	0.109	0.121	0.132	0.144	0.156	0.168	0.180	0.192	0.205	0.217	0.230
	.0217	.0220	.0224	.0227	.0230	.0233	.0237	.0240	.0243	.0246	.0249
1900	0.112	0.124	0.135	.0148	0.160	0.172	0.184	0.197	0.209	0.222	0.235
	.0227	.0230	.0233	.0237	.0240	.0243	.0246	.0249	.0253	.0256	.0259
2000	0.114	0.126	0.139	0.151	0.163	0.176	0.188	0.201	0.214	0.227	0.240
	.0237	.0240	.0243	.0246	.0249	.0253	.0256	.0259	.0262	.0265	.0269

Tab. VI, a. $D = d + (\sigma_0 - 28)\,d_1 - (\sigma_0 - 28)^2\,d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					$1000\,d_2$
	2°.0	2°.1	2°.2	2°.3	2°.4	2°.5	2°.6	2°.7	2°.8	2°.9	$t = 3°$
0	0.132 .0073	0.140 .0077	0.148 .0081	0.157 .0084	0.165 .0088	0.174 .0091	0.182 .0095	0.191 .0098	0.200 .0102	0.209 .0105	0.05
50	0.135 .0078	0.143 .0082	0.152 .0085	0.160 .0089	0.169 .0093	0.177 .0096	0.186 .0100	0.195 .0103	0.204 .0107	0.213 .0110	0.05
100	0.138 .0083	0.146 .0087	0.155 .0090	0.163 .0094	0.172 .0097	0.181 .0101	0.190 .0104	0.199 .0108	0.208 .0111	0.217 .0115	0.05
150	0.141 .0088	0.149 .0092	0.158 .0095	0.166 .0099	0.175 .0102	0.184 .0106	0.193 .0109	0.203 .0113	0.212 .0116	0.221 .0120	0.05
200	0.144 .0093	0.152 .0097	0.161 .0100	0.170 .0104	0.179 .0107	0.188 .0111	0.197 .0114	0.206 .0118	0.216 .0121	0.225 .0125	0.05
250	0.146 .0098	0.155 .0102	0.164 .0105	0.173 .0109	0.182 .0112	0.191 .0116	0.201 .0119	0.210 .0123	0.220 .0126	0.229 .0129	0.05
300	0.149 .0103	0.158 .0107	0.167 .0110	0.176 .0114	0.185 .0117	0.195 .0121	0.204 .0124	0.214 .0127	0.223 .0131	0.233 .0134	0.05
350	0.152 .0108	0.161 .0112	0.170 .0115	0.179 .0119	0.189 .0122	0.198 .0126	0.208 .0129	0.217 .0132	0.227 .0136	0.237 .0139	0.06
400	0.155 .0113	0.164 .0117	0.173 .0120	0.182 .0124	0.192 .0127	0.202 .0130	0.211 .0134	0.221 .0137	0.231 .0141	0.241 .0144	0.06
450	0.157 .0118	0.167 .0122	0.176 .0125	0.186 .0129	0.195 .0132	0.205 .0135	0.215 .0139	0.225 .0142	0.235 .0146	0.245 .0149	0.06
500	0.160 .0123	0.170 .0127	0.179 .0130	0.189 .0133	0.199 .0137	0.208 .0140	0.218 .0144	0.229 .0147	0.239 .0150	0.249 .0154	0.06
600	0.166 .0133	0.175 .0136	0.185 .0140	0.195 .0143	0.205 .0147	0.215 .0150	0.225 .0153	0.236 .0157	0.246 .0160	0.257 .0163	0.06
700	0.171 .0143	0.181 .0146	0.191 .0150	0.201 .0153	0.212 .0156	0.222 .0160	0.233 .0163	0.243 .0166	0.254 .0170	0.265 .0173	0.07
800	0.177 .0153	0.187 .0156	0.197 .0159	0.208 .0163	0.218 .0166	0.229 .0169	0.240 .0173	0.250 .0176	0.261 .0179	0.273 .0183	0.07
900	0.182 .0162	0.193 .0166	0.203 .0169	0.214 .0172	0.225 .0176	0.235 .0179	0.246 .0182	0.258 .0186	0.269 .0189	0.280 .0192	0.07
1000	0.187 .0172	0.198 .0176	0.209 .0179	0.220 .0182	0.231 .0186	0.242 .0189	0.253 .0192	0.265 .0195	0.276 .0199	0.288 .0202	0.07
1100	0.193 .0182	0.204 .0185	0.215 .0189	0.226 .0192	0.237 .0195	0.249 .0198	0.260 .0202	0.272 .0205	0.284 .0208	0.296 .0211	0.08
1200	0.198 .0192	0.209 .0195	0.221 .0198	0.232 .0202	0.244 .0205	0.255 .0208	0.267 .0211	0.279 .0215	0.291 .0218	0.303 .0221	0.08
1300	0.204 .0201	0.215 .0205	0.227 .0208	0.238 .0211	0.250 .0214	0.262 .0218	0.274 .0221	0.286 .0224	0.298 .0227	0.311 .0231	0.08
1400	0.209 .0211	0.221 .0214	0.232 .0218	0.244 .0221	0.256 .0224	0.269 .0227	0.281 .0230	0.293 .0234	0.306 .0237	0.318 .0240	0.08
1500	0.214 .0221	0.226 .0224	0.238 .0227	0.250 .0230	0.263 .0234	0.275 .0237	0.288 .0240	0.300 .0243	0.313 .0246	0.326 .0250	0.09
1600	0.219 .0230	0.232 .0234	0.244 .0237	0.256 .0240	0.269 .0243	0.282 .0246	0.294 .0249	0.307 .0253	0.320 .0256	0.333 .0259	0.09
1700	0.225 .0240	0.237 .0243	0.250 .0246	0.262 .0249	0.275 .0253	0.288 .0256	0.301 .0259	0.314 .0262	0.327 .0265	0.341 .0268	0.09
1800	0.230 .0249	0.243 .0253	0.255 .0256	0.268 .0259	0.281 .0262	0.295 .0265	0.308 .0268	0.321 .0271	0.335 .0275	0.348 .0278	0.09
1900	0.235 .0259	0.248 .0262	0.261 .0265	0.274 .0268	0.287 .0272	0.301 .0275	0.314 .0278	0.328 .0281	0.342 .0284	0.356 .0287	0.10
2000	0.240 .0269	0.253 .0272	0.267 .0275	0.280 .0278	0.294 .0281	0.307 .0284	0.321 .0287	0.335 .0290	0.349 .0293	0.363 .0296	0.10

Tab. VI, a. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$ $d_1 = 000$										
	3°.0	**3°.1**	**3°.2**	**3°.3**	**3°.4**	**3°.5**	**3°.6**	**3°.7**	**3°.8**	**3°.9**	**4°.0**
0	0.218	0.228	0.237	0.247	0.256	0.266	0.276	0.286	0.296	0.306	0.317
	.0109	*.0112*	*.0115*	*.0119*	*.0122*	*.0126*	*.0129*	*.0133*	*.0136*	*.0139*	*.0143*
50	0.223	0.232	0.242	0.251	0.261	0.271	0.281	0.291	0.301	0.312	0.322
	.0113	*.0117*	*.0120*	*.0124*	*.0127*	*.0131*	*.0134*	*.0137*	*.0141*	*.0144*	*.0148*
100	0.227	0.236	0.246	0.256	0.266	0.276	0.286	0.296	0.307	0.317	0.328
	.0118	*.0122*	*.0125*	*.0129*	*.0132*	*.0135*	*.0139*	*.0142*	*.0146*	*.0149*	*.0152*
150	0.231	0.241	0.250	0.260	0.270	0.281	0.291	0.301	0.312	0.322	0.333
	.0123	*.0127*	*.0130*	*.0133*	*.0137*	*.0140*	*.0144*	*.0147*	*.0150*	*.0154*	*.0157*
200	0.235	0.245	0.255	0.265	0.275	0.285	0.296	0.306	0.317	0.328	0.339
	.0128	*.0131*	*.0135*	*.0138*	*.0142*	*.0145*	*.0148*	*.0152*	*.0155*	*.0159*	*.0162*
250	0.239	0.249	0.259	0.269	0.280	0.290	0.301	0.311	0.322	0.333	0.344
	.0133	*.0136*	*.0140*	*.0143*	*.0147*	*.0150*	*.0153*	*.0157*	*.0160*	*.0163*	*.0167*
300	0.243	0.253	0.264	0.274	0.284	0.295	0.306	0.316	0.327	0.338	0.349
	.0138	*.0141*	*.0145*	*.0148*	*.0151*	*.0155*	*.0158*	*.0161*	*.0165*	*.0168*	*.0171*
350	0.247	0.258	0.268	0.278	0.289	0.300	0.310	0.321	0.332	0.343	0.355
	.0143	*.0146*	*.0149*	*.0153*	*.0156*	*.0160*	*.0163*	*.0166*	*.0170*	*.0173*	*.0176*
400	0.251	0.262	0.272	0.283	0.293	0.304	0.315	0.326	0.337	0.349	0.360
	.0148	*.0151*	*.0154*	*.0158*	*.0161*	*.0164*	*.0168*	*.0171*	*.0174*	*.0178*	*.0181*
450	0.255	0.266	0.277	0.287	0.298	0.309	0.320	0.331	0.343	0.354	0.365
	.0152	*.0156*	*.0159*	*.0162*	*.0166*	*.0169*	*.0172*	*.0176*	*.0179*	*.0182*	*.0186*
500	0.260	0.270	0.281	0.292	0.303	0.314	0.325	0.336	0.348	0.359	0.371
	.0157	*.0161*	*.0164*	*.0167*	*.0171*	*.0174*	*.0177*	*.0181*	*.0184*	*.0187*	*.0190*
600	0.268	0.279	0.290	0.301	0.312	0.323	0.334	0.346	0.358	0.370	0.381
	.0167	*.0170*	*.0174*	*.0177*	*.0180*	*.0183*	*.0187*	*.0190*	*.0193*	*.0197*	*.0200*
700	0.276	0.287	0.298	0.309	0.321	0.332	0.344	0.356	0.368	0.380	0.392
	.0176	*.0180*	*.0183*	*.0186*	*.0190*	*.0193*	*.0196*	*.0200*	*.0203*	*.0206*	*.0209*
800	0.284	0.295	0.307	0.318	0.330	0.342	0.354	0.366	0.378	0.390	0.402
	.0186	*.0189*	*.0193*	*.0196*	*.0199*	*.0203*	*.0206*	*.0209*	*.0212*	*.0215*	*.0219*
900	0.292	0.303	0.315	0.327	0.339	0.351	0.363	0.375	0.388	0.400	0.413
	.0196	*.0199*	*.0202*	*.0205*	*.0209*	*.0212*	*.0215*	*.0218*	*.0222*	*.0225*	*.0228*
1000	0.300	0.312	0.324	0.336	0.348	0.360	0.372	0.385	0.398	0.410	0.423
	.0205	*.0209*	*.0212*	*.0215*	*.0218*	*.0221*	*.0225*	*.0228*	*.0231*	*.0234*	*.0237*
1100	0.308	0.320	0.332	0.344	0.357	0.369	0.382	0.395	0.408	0.421	0.434
	.0215	*.0218*	*.0221*	*.0224*	*.0228*	*.0231*	*.0234*	*.0237*	*.0240*	*.0244*	*.0247*
1200	0.315	0.328	0.340	0.353	0.366	0.378	0.391	0.404	0.417	0.431	0.444
	.0224	*.0227*	*.0231*	*.0234*	*.0237*	*.0240*	*.0243*	*.0247*	*.0250*	*.0253*	*.0256*
1300	0.323	0.336	0.349	0.361	0.374	0.387	0.400	0.414	0.427	0.441	0.454
	.0234	*.0237*	*.0240*	*.0243*	*.0247*	*.0250*	*.0253*	*.0256*	*.0259*	*.0262*	*.0265*
1400	0.331	0.344	0.357	0.370	0.383	0.396	0.410	0.423	0.437	0.451	0.464
	.0243	*.0246*	*.0250*	*.0253*	*.0256*	*.0259*	*.0262*	*.0265*	*.0268*	*.0272*	*.0275*
1500	0.339	0.352	0.365	0.378	0.392	0.405	0.419	0.433	0.447	0.461	0.475
	.0253	*.0256*	*.0259*	*.0262*	*.0265*	*.0268*	*.0272*	*.0275*	*.0278*	*.0281*	*.0284*
1600	0.347	0.360	0.373	0.387	0.401	0.414	0.428	0.442	0.456	0.470	0.485
	.0262	*.0265*	*.0268*	*.0272*	*.0275*	*.0278*	*.0281*	*.0284*	*.0287*	*.0290*	*.0293*
1700	0.354	0.368	0.382	0.395	0.409	0.423	0.437	0.451	0.466	0.480	0.495
	.0271	*.0275*	*.0278*	*.0281*	*.0284*	*.0287*	*.0290*	*.0293*	*.0296*	*.0299*	*.0302*
1800	0.362	0.376	0.390	0.404	0.418	0.432	0.446	0.461	0.475	0.490	0.505
	.0281	*.0284*	*.0287*	*.0290*	*.0293*	*.0296*	*.0299*	*.0302*	*.0305*	*.0308*	*.0311*
1900	0.370	0.384	0.398	0.412	0.426	0.441	0.455	0.470	0.485	0.500	0.515
	.0290	*.0293*	*.0296*	*.0299*	*.0302*	*.0305*	*.0308*	*.0311*	*.0314*	*.0317*	*.0320*
2000	0.377	0.391	0.406	0.420	0.435	0.450	0.464	0.479	0.494	0.509	0.525
	.0299	*.0303*	*.0306*	*.0309*	*.0312*	*.0315*	*.0318*	*.0321*	*.0324*	*.0327*	*.0330*

Tab. VI, a. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					$1000\, d_2$
	4°.0	4°.1	4°.2	4°.3	4°.4	4°.5	4°.6	4°.7	4°.8	4°.9	$t = 5°$
0	0.317	0.327	0.338	0.349	0.360	0.371	0.382	0.393	0.404	0.416	0.07
	.0143	.0146	.0149	.0153	.0156	.0159	.0163	.0166	.0169	.0173	
50	0.322	0.333	0.344	0.355	0.366	0.377	0.388	0.399	0.411	0.423	0.07
	.0148	.0151	.0154	.0157	.0161	.0164	.0167	.0171	.0174	.0177	
100	0.328	0.339	0.350	0.361	0.372	0.383	0.394	0.406	0.417	0.429	0.07
	.0152	.0156	.0159	.0162	.0166	.0169	.0172	.0175	.0179	.0182	
150	0.333	0.344	0.355	0.366	0.378	0.389	0.400	0.412	0.424	0.436	0.08
	.0157	.0160	.0164	.0167	.0170	.0174	.0177	.0180	.0183	.0187	
200	0.339	0.350	0.361	0.372	0.383	0.395	0.407	0.418	0.430	0.442	0.08
	.0162	.0165	.0168	.0172	.0175	.0178	.0182	.0185	.0188	.0191	
250	0.344	0.355	0.366	0.378	0.389	0.401	0.413	0.425	0.437	0.449	0.08
	.0167	.0170	.0173	.0176	.0180	.0183	.0186	.0190	.0193	.0196	
300	0.349	0.361	0.372	0.384	0.395	0.407	0.419	0.431	0.443	0.455	0.08
	.0171	.0175	.0178	.0181	.0184	.0188	.0191	.0194	.0197	.0201	
350	0.355	0.366	0.378	0.389	0.401	0.413	0.425	0.437	0.449	0.462	0.08
	.0176	.0179	.0183	.0186	.0189	.0192	.0196	.0199	.0202	.0205	
400	0.360	0.372	0.383	0.395	0.407	0.419	0.431	0.443	0.456	0.468	0.08
	.0181	.0184	.0187	.0191	.0194	.0197	.0200	.0204	.0207	.0210	
450	0.365	0.377	0.389	0.400	0.413	0.425	0.437	0.449	0.462	0.474	0.08
	.0186	.0189	.0192	.0195	.0199	.0202	.0205	.0208	.0212	.0215	
500	0.371	0.383	0.394	0.406	0.419	0.431	0.443	0.456	0.468	0.481	0.08
	.0190	.0194	.0197	.0200	.0203	.0207	.0210	.0213	.0216	.0219	
600	0.381	0.393	0.405	0.418	0.430	0.443	0.455	0.468	0.481	0.494	0.09
	.0200	.0203	.0206	.0209	.0213	.0216	.0219	.0222	.0225	.0229	
700	0.392	0.404	0.417	0.429	0.442	0.454	0.467	0.480	0.493	0.506	0.09
	.0209	.0212	.0216	.0219	.0222	.0225	.0228	.0232	.0235	.0238	
800	0.402	0.415	0.428	0.440	0.453	0.466	0.479	0.492	0.506	0.519	0.09
	.0219	.0222	.0225	.0228	.0231	.0235	.0238	.0241	.0244	.0247	
900	0.413	0.426	0.439	0.452	0.465	0.478	0.491	0.505	0.518	0.532	0.10
	.0228	.0231	.0234	.0238	.0241	.0244	.0247	.0250	.0253	.0256	
1000	0.423	0.436	0.449	0.463	0.476	0.489	0.503	0.517	0.530	0.544	0.10
	.0237	.0241	.0244	.0247	.0250	.0253	.0256	.0259	.0262	.0265	
1100	0.434	0.447	0.460	0.474	0.487	0.501	0.515	0.529	0.543	0.557	0.10
	.0247	.0250	.0253	.0256	.0259	.0262	.0265	.0268	.0272	.0275	
1200	0.444	0.457	0.471	0.485	0.499	0.512	0.527	0.541	0.555	0.569	0.10
	.0256	.0259	.0262	.0265	.0268	.0272	.0275	.0278	.0281	.0284	
1300	0.454	0.468	0.482	0.496	0.510	0.524	0.538	0.553	0.567	0.582	0.11
	.0265	.0268	.0271	.0275	.0278	.0281	.0284	.0287	.0290	.0293	
1400	0.464	0.478	0.492	0.507	0.521	0.535	0.550	0.564	0.579	0.594	0.11
	.0275	.0278	.0281	.0284	.0287	.0290	.0293	.0296	.0299	.0302	
1500	0.475	0.489	0.503	0.518	0.532	0.547	0.561	0.576	0.591	0.606	0.11
	.0284	.0287	.0290	.0293	.0296	.0299	.0302	.0305	.0308	.0311	
1600	0.485	0.499	0.514	0.528	0.543	0.558	0.573	0.588	0.603	0.618	0 11
	.0293	.0296	.0299	.0302	.0305	.0308	.0311	.0314	.0317	.0320	
1700	0.495	0.509	0.524	0.539	0.554	0.569	0.584	0.599	0.615	0.630	0.12
	.0302	.0305	.0308	.0311	.0314	.0317	.0320	.0323	.0326	.0329	
1800	0.505	0.520	0.535	0.550	0.565	0.580	0.596	0.611	0.627	0.642	0.12
	.0311	.0314	.0317	.0320	.0323	.0326	.0329	.0332	.0335	.0338	
1900	0.515	0.530	0.545	0.560	0.576	0.591	0.607	0.623	0.638	0.654	0.12
	.0320	.0323	.0326	.0329	.0332	.0335	.0338	.0341	.0344	.0347	
2000	0.525	0.540	0.555	0.571	0.587	0.602	0.618	0.634	0.650	0.666	0.12
	.0330	.0332	.0335	.0338	.0341	.0344	.0347	.0350	.0353	.0356	

Tab. VI, a. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					
	5°.0	5°.1	5°.2	5°.3	5°.4	5°.5	5°.6	5°.7	5°.8	5°.9	6°.0
0	0.428	0.439	0.451	0.463	0.475	0.487	0.500	0.512	0.525	0.537	0.550
	.0176	.0179	.0182	.0186	.0189	.0192	.0195	.0198	.0202	.0205	.0208
50	0.434	0.446	0.458	0.470	0.482	0.495	0.507	0.520	0.532	0.545	0.558
	.0181	.0184	.0187	.0190	.0194	.0197	.0200	.0203	.0206	.0209	.0213
100	0.441	0.453	0.465	0.477	0.490	0.502	0.514	0.527	0.540	0.553	0.566
	.0185	.0189	.0192	.0195	.0198	.0201	.0205	.0208	.0211	.0214	.0217
150	0.448	0.460	0.472	0.484	0.497	0.509	0.522	0.535	0.548	0.561	0.574
	.0190	.0193	.0196	.0200	.0203	.0206	.0209	.0212	.0216	.0219	.0222
200	0.454	0.466	0.479	0.491	0.504	0.516	0.529	0.542	0.555	0.568	0.581
	.0195	.0198	.0201	.0204	.0207	.0211	.0214	.0217	.0220	.0223	.0226
250	0.461	0.473	0.486	0.498	0.511	0.524	0.537	0.550	0.563	0.576	0.589
	.0199	.0202	.0206	.0209	.0212	.0215	.0218	.0222	.0225	.0228	.0231
300	0.467	0.480	0.492	0.505	0.518	0.531	0.544	0.557	0.570	0.584	0.597
	.0204	.0207	.0210	.0214	.0217	.0220	.0223	.0226	.0229	.0232	.0236
350	0.474	0.487	0.499	0.512	0.525	0.538	0.551	0.564	0.578	0.591	0.605
	.0209	.0212	.0215	.0218	.0221	.0224	.0228	.0231	.0234	.0237	.0240
400	0.481	0.493	0.506	0.519	0.532	0.545	0.558	0.572	0.585	0.599	0.613
	.0213	.0216	.0220	.0223	.0226	.0229	.0232	.0235	.0238	.0242	.0245
450	0.487	0.500	0.513	0.526	0.539	0.552	0.566	0.579	0.593	0.606	0.620
	.0218	.0221	.0224	.0227	.0231	.0234	.0237	.0240	.0243	.0246	.0249
500	0.494	0.507	0.520	0.533	0.546	0.559	0.573	0.587	0.600	0.614	0.628
	.0223	.0226	.0229	.0232	.0235	.0238	.0241	.0244	.0248	.0251	.0254
600	0.507	0.520	0.533	0.547	0.560	0.574	0.587	0.601	0.615	0.629	0.643
	.0232	.0235	.0238	.0241	.0244	.0247	.0251	.0254	.0257	.0260	.0263
700	0.520	0.533	0.547	0.560	0.574	0.588	0.602	0.616	0.630	0.644	0.659
	.0241	.0244	.0247	.0250	.0253	.0257	.0260	.0263	.0266	.0269	.0272
800	0.533	0.546	0.560	0.574	0.588	0.602	0.616	0.630	0.645	0.659	0.674
	.0250	.0253	.0256	.0260	.0263	.0266	.0269	.0272	.0275	.0278	.0281
900	0.545	0.559	0.573	0.587	0.602	0.616	0.630	0.645	0.659	0.674	0.689
	.0259	.0263	.0266	.0269	.0272	.0275	.0278	.0281	.0284	.0287	.0290
1000	0.558	0.572	0.587	0.601	0.615	0.630	0.644	0.659	0.674	0.689	0.704
	.0269	.0272	.0275	.0278	.0281	.0284	.0287	.0290	.0293	.0296	.0299
1100	0.571	0.585	0.600	0.614	0.629	0.644	0.658	0.673	0.688	0.704	0.719
	.0278	.0281	.0284	.0287	.0290	.0293	.0296	.0299	.0302	.0305	.0308
1200	0.584	0.598	0.613	0.628	0.642	0.657	0.672	0.688	0.703	0.718	0.734
	.0287	.0290	.0293	.0296	.0299	.0302	.0305	.0308	.0311	.0314	.0317
1300	0.596	0.611	0.626	0.641	0.656	0.671	0.686	0.702	0.717	0.733	0.749
	.0296	.0299	.0302	.0305	.0308	.0311	.0314	.0317	.0320	.0323	.0326
1400	0.609	0.624	0.639	0.654	0.669	0.685	0.700	0.716	0.732	0.747	0.763
	.0305	.0308	.0311	.0314	.0317	.0320	.0323	.0326	.0329	.0331	.0334
1500	0.621	0.636	0.652	0.667	0.683	0.698	0.714	0.730	0.746	0.762	0.778
	.0314	.0317	.0320	.0323	.0326	.0329	.0332	.0335	.0337	.0340	.0343
1600	0.634	0.649	0.665	0.680	0.696	0.712	0.728	0.744	0.760	0.776	0.793
	.0323	.0326	.0329	.0332	.0335	.0338	.0341	.0343	.0346	.0349	.0352
1700	0.646	0.662	0.677	0.693	0.709	0.725	0.741	0.758	0.774	0.791	0.807
	.0332	.0335	.0338	.0341	.0344	.0347	.0349	.0352	.0355	.0358	.0361
1800	0.658	0.674	0.690	0.706	0.722	0.739	0.755	0.771	0.788	0.805	0.822
	.0341	.0344	.0347	.0350	.0353	.0355	.0358	.0361	.0364	.0367	.0370
1900	0.670	0.686	0.703	0.719	0.735	0.752	0.769	0.785	0.802	0.819	0.836
	.0350	.0353	.0356	.0359	.0361	.0364	.0367	.0370	.0373	.0376	.0378
2000	0.682	0.699	0.715	0.732	0.748	0.765	0.782	0.799	0.816	0.833	0.850
	.0359	.0362	.0365	.0367	.0370	.0373	.0376	.0379	.0381	.0384	.0387

Tab. VI, a. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					$1000\, d_2$
	6°.0	6°.1	6°.2	6°.3	6°.4	6°.5	6°.6	6°.7	6°.8	6°.9	$t = 7°$
0	0.550 .0208	0.563 .0211	0.576 .0214	0.589 .0217	0.602 .0221	0.616 .0224	0.629 .0227	0.643 .0230	0.656 .0233	0.670 .0236	0.09
50	0.558 .0213	0.571 .0216	0.584 .0219	0.597 .0222	0.611 .0225	0.624 .0228	0.638 .0231	0.651 .0234	0.665 .0238	0.679 .0241	0.09
100	0.566 .0217	0.579 .0220	0.592 .0224	0.606 .0227	0.619 .0230	0.633 .0233	0.646 .0236	0.660 .0239	0.674 .0242	0.688 .0245	0.09
150	0.574 .0222	0.587 .0225	0.600 .0228	0.614 .0231	0.627 .0234	0.641 .0237	0.655 .0240	0.669 .0244	0.683 .0247	0.697 .0250	0.10
200	0.581 .0226	0.595 .0230	0.608 .0233	0.622 .0236	0.636 .0239	0.649 .0242	0.663 .0245	0.677 .0248	0.691 .0251	0.706 .0254	0.10
250	0.589 .0231	0.603 .0234	0.616 .0237	0.630 .0240	0.644 .0243	0.658 .0246	0.672 .0249	0.686 .0253	0.700 .0256	0.714 .0259	0.10
300	0.597 .0236	0.611 .0239	0.624 .0242	0.638 .0245	0.652 .0248	0.666 .0251	0.680 .0254	0.694 .0257	0.709 .0260	0.723 .0263	0.10
350	0.605 .0240	0.619 .0243	0.632 .0246	0.646 .0249	0.660 .0252	0.674 .0255	0.689 .0258	0.703 .0262	0.717 .0265	0.732 .0268	0.10
400	0.613 .0245	0.626 .0248	0.640 .0251	0.654 .0254	0.668 .0257	0.683 .0260	0.697 .0263	0.711 .0266	0.726 .0269	0.741 .0272	0.10
450	0.620 .0249	0.634 .0252	0.648 .0255	0.662 .0258	0.677 .0261	0.691 .0264	0.706 .0267	0.720 .0270	0.735 .0273	0.749 .0276	0.10
500	0.628 .0254	0.642 .0257	0.656 .0260	0.670 .0263	0.685 .0266	0.699 .0269	0.714 .0272	0.728 .0275	0.743 .0278	0.758 .0281	0.10
600	0.643 .0263	0.658 .0266	0.672 .0269	0.686 .0272	0.701 .0275	0.716 .0278	0.730 .0281	0.745 .0284	0.760 .0287	0.776 .0290	0.11
700	0.659 .0272	0.673 .0275	0.688 .0278	0.702 .0281	0.717 .0284	0.732 .0287	0.747 .0290	0.762 .0293	0.777 .0296	0.793 .0299	0.11
800	0.674 .0281	0.688 .0284	0.703 .0287	0.718 .0290	0.733 .0293	0.748 .0296	0.764 .0299	0.779 .0302	0.794 .0305	0.810 .0308	0.11
900	0.689 .0290	0.704 .0293	0.719 .0296	0.734 .0299	0.749 .0302	0.765 .0305	0.780 .0308	0.796 .0311	0.811 .0313	0.827 .0316	0.11
1000	0.704 .0299	0.719 .0302	0.734 .0305	0.750 .0308	0.765 .0311	0.781 .0314	0.796 .0317	0.812 .0319	0.828 .0322	0.844 .0325	0.12
1100	0.719 .0308	0.734 .0311	0.750 .0314	0.765 .0317	0.781 .0320	0.797 .0322	0.813 .0325	0.829 .0328	0.845 .0331	0.861 .0334	0.12
1200	0.734 .0317	0.749 .0320	0.765 .0323	0.781 .0325	0.797 .0328	0.813 .0331	0.829 .0334	0.845 .0337	0.861 .0340	0.878 .0343	0.12
1300	0.749 .0326	0.764 .0328	0.780 .0331	0.796 .0334	0.812 .0337	0.829 .0340	0.845 .0343	0.861 .0346	0.878 .0349	0.895 .0351	0.12
1400	0.763 .0334	0.779 .0337	0.795 .0340	0.812 .0343	0.828 .0346	0.844 .0349	0.861 .0352	0.878 .0354	0.894 .0357	0.911 .0360	0.13
1500	0.778 .0343	0.794 .0346	0.811 .0349	0.827 .0352	0.844 .0355	0.860 .0358	0.877 .0360	0.894 .0363	0.911 .0366	0.928 .0369	0.13
1600	0.793 .0352	0.809 .0355	0.826 .0358	0.842 .0361	0.859 .0363	0.876 .0366	0.893 .0369	0.910 .0372	0.927 .0375	0.944 .0377	0.13
1700	0.807 .0361	0.824 .0364	0.841 .0366	0.857 .0369	0.874 .0372	0.891 .0375	0.909 .0378	0.926 .0380	0.943 .0383	0.961 .0386	0.13
1800	0.822 .0370	0.838 .0372	0.855 .0375	0.872 .0378	0.890 .0381	0.907 .0384	0.924 .0386	0.942 .0389	0.959 .0392	0.977 .0395	0.14
1900	0.836 .0378	0.853 .0381	0.870 .0384	0.887 .0387	0.905 .0390	0.922 .0392	0.940 .0395	0.958 .0398	0.975 .0401	0.993 .0403	0.14
2000	0.850 .0387	0.868 .0390	0.885 .0393	0.902 .0395	0.920 .0398	0.938 .0401	0.956 .0404	0.973 .0406	0.991 .0409	1.010 .0412	0.14

Tab. VI, a. $D = d + (\sigma_0 - 28)\,d_1 - (\sigma_0 - 28)^2 d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					
	7°.0	7°.1	7°.2	7°.3	7°.4	7°.5	7°.6	7°.7	7°.8	7°.9	8°.0
0	0.684	0.698	0.712	0.726	0.741	0.755	0.770	0.784	0.799	0.814	0.829
	.0239	.0242	.0245	.0248	.0251	.0254	.0257	.0260	.0263	.0266	.0269
50	0.693	0.707	0.721	0.736	0.750	0.765	0.779	0.794	0.809	0.824	0.839
	.0244	.0247	.0250	.0253	.0256	.0259	.0262	.0265	.0268	.0271	.0274
100	0.702	0.716	0.731	0.745	0.760	0.774	0.789	0.804	0.819	0.834	0.849
	.0248	.0251	.0254	.0257	.0260	.0263	.0266	.0269	.0272	.0275	.0278
150	0.711	0.725	0.740	0.754	0.769	0.784	0.799	0.814	0.829	0.844	0.859
	.0253	.0256	.0259	.0262	.0265	.0268	.0271	.0274	.0277	.0280	.0283
200	0.720	0.734	0.749	0.764	0.778	0.793	0.808	0.823	0.839	0.854	0.869
	.0257	.0260	.0263	.0266	.0269	.0272	.0275	.0278	.0281	.0284	.0287
250	0.729	0.743	0.758	0.773	0.788	0.803	0.818	0.833	0.848	0.864	0.879
	.0262	.0265	.0268	.0271	.0274	.0277	.0280	.0282	.0285	.0288	.0291
300	0.738	0.752	0.767	0.782	0.797	0.812	0.827	0.843	0.858	0.874	0.889
	.0266	.0269	.0272	.0275	.0278	.0281	.0284	.0287	.0290	.0293	.0296
350	0.747	0.761	0.776	0.791	0.806	0.822	0.837	0.852	0.868	0.884	0.899
	.0271	.0274	.0277	.0279	.0282	.0285	.0288	.0291	.0294	.0297	.0300
400	0.756	0.770	0.785	0.801	0.816	0.831	0.847	0.862	0.878	0.893	0.909
	.0275	.0278	.0281	.0284	.0287	.0290	.0293	.0296	.0299	.0301	.0304
450	0.764	0.779	0.795	0.810	0.825	0.840	0.856	0.872	0.887	0.903	0.919
	.0279	.0282	.0285	.0288	.0291	.0294	.0297	.0300	.0303	.0306	.0309
500	0.773	0.788	0.804	0.819	0.834	0.850	0.866	0.881	0.897	0.913	0.929
	.0284	.0287	.0290	.0293	.0296	.0299	.0302	.0304	.0307	.0310	.0313
600	0.791	0.806	0.822	0.837	0.853	0.869	0.884	0.900	0.916	0.933	0.949
	.0293	.0296	.0299	.0302	.0304	.0307	.0310	.0313	.0316	.0319	.0322
700	0.808	0.824	0.839	0.855	0.871	0.887	0.903	0.919	0.936	0.952	0.968
	.0302	.0305	.0307	.0310	.0313	.0316	.0319	.0322	.0325	.0328	.0330
800	0.826	0.841	0.857	0.873	0.889	0.905	0.922	0.938	0.955	0.971	0.988
	.0311	.0313	.0316	.0319	.0322	.0325	.0328	.0331	.0333	.0336	.0339
900	0.843	0.859	0.875	0.891	0.907	0.924	0.940	0.957	0.974	0.990	1.007
	.0319	.0322	.0325	.0328	.0331	.0334	.0336	.0339	.0342	.0345	.0348
1000	0.860	0.876	0.893	0.909	0.926	0.942	0.959	0.976	0.993	1.010	1.027
	.0328	.0331	.0334	.0337	.0339	.0342	.0345	.0348	.0351	.0354	.0356
1100	0.877	0.894	0.910	0.927	0.944	0.960	0.977	0.994	1.011	1.029	1.046
	.0337	.0340	.0343	.0345	.0348	.0351	.0354	.0357	.0359	.0362	.0365
1200	0.894	0.911	0.928	0.945	0.961	0.978	0.996	1.013	1.030	1.047	1.065
	.0346	.0348	.0351	.0354	.0357	.0360	.0362	.0365	.0368	.0371	.0373
1300	0.911	0.928	0.945	0.962	0.979	0.996	1.014	1.031	1.049	1.066	1.084
	.0354	.0357	.0360	.0363	.0365	.0368	.0371	.0374	.0377	.0379	.0382
1400	0.928	0.945	0.962	0.980	0.997	1.014	1.032	1.050	1.067	1.085	1.103
	.0363	.0366	.0369	.0371	.0374	.0377	.0380	.0382	.0385	.0388	.0391
1500	0.945	0.962	0.980	0.997	1.015	1.032	1.050	1.068	1.086	1.104	1.122
	.0372	.0374	.0377	.0380	.0383	.0385	.0388	.0391	.0394	.0396	.0399
1600	0.962	0.979	0.997	1.014	1.032	1.050	1.068	1.086	1.104	1.122	1.141
	.0380	.0383	.0386	.0388	.0391	.0394	.0397	.0399	.0402	.0405	.0407
1700	0.978	0.996	1.014	1.032	1.049	1.068	1.086	1.104	1.122	1.141	1.159
	.0389	.0392	.0394	.0397	.0400	.0402	.0405	.0408	.0411	.0413	.0416
1800	0.995	1.013	1.031	1.049	1.067	1.085	1.103	1.122	1.140	1.159	1.178
	.0397	.0400	.0403	.0406	.0408	.0411	.0414	.0416	.0419	.0422	.0424
1900	1.011	1.029	1.048	1.066	1.084	1.103	1.121	1.140	1.158	1.177	1.196
	.0406	.0409	.0411	.0414	.0417	.0419	.0422	.0425	.0427	.0430	.0433
2000	1.028	1.046	1.064	1.083	1.101	1.120	1.139	1.158	1.176	1.195	1.214
	.0415	.0417	.0420	.0423	.0425	.0428	.0431	.0433	.0436	.0438	.0441

Tab. VI, a. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					$1000\, d_2$
	8°.0	8°.1	8°.2	8°.3	8°.4	8°.5	8°.6	8°.7	8°.8	8°.9	$t = 9°$
0	0.829 .0269	0.844 .0272	0.859 .0275	0.875 .0278	0.890 .0281	0.906 .0284	0.921 .0287	0.937 .0290	0.953 .0293	0.969 .0296	0.11
50	0.839 .0274	0.854 .0277	0.870 .0280	0.885 .0283	0.901 .0286	0.916 .0288	0.932 .0291	0.948 .0294	0.964 .0297	0.980 .0300	0.11
100	0.849 .0278	0.865 .0281	0.880 .0284	0.895 .0287	0.911 .0290	0.927 .0293	0.943 .0296	0.959 .0299	0.975 .0301	0.991 .0304	0.11
150	0.859 .0283	0.875 .0285	0.890 .0288	0.906 .0291	0.922 .0294	0.937 .0297	0.953 .0300	0.969 .0303	0.986 .0306	1.002 .0309	0.11
200	0.869 .0287	0.885 .0290	0.901 .0293	0.916 .0296	0.932 .0299	0.948 .0301	0.964 .0304	0.980 .0307	0.996 .0310	1.013 .0313	0.11
250	0.879 .0291	0.895 .0294	0.911 .0297	0.927 .0300	0.943 .0303	0.959 .0306	0.975 .0309	0.991 .0311	1.007 .0314	1.024 .0317	0.11
300	0.889 .0296	0.905 .0299	0.921 .0301	0.937 .0304	0.953 .0307	0.969 .0310	0.985 .0313	1.002 .0316	1.018 .0319	1.035 .0321	0.11
350	0.899 .0300	0.915 .0303	0.931 .0306	0.947 .0309	0.963 .0312	0.980 .0314	0.996 .0317	1.012 .0320	1.029 .0323	1.046 .0326	0.12
400	0.909 .0304	0.925 .0307	0.941 .0310	0.957 .0313	0.974 .0316	0.990 .0319	1.006 .0322	1.023 .0324	1.040 .0327	1.056 .0330	0.12
450	0.919 .0309	0.935 .0312	0.951 .0315	0.968 .0317	0.984 .0320	1.000 .0323	1.017 .0326	1.034 .0329	1.050 .0331	1.067 .0334	0.12
500	0.929 .0313	0.945 .0316	0.962 .0319	0.978 .0322	0.994 .0325	1.011 .0327	1.028 .0330	1.044 .0333	1.061 .0336	1.078 .0339	0.12
600	0.949 .0322	0.965 .0325	0.982 .0328	0.998 .0330	1.015 .0333	1.032 .0336	1.048 .0339	1.065 .0342	1.083 .0344	1.100 .0347	0.12
700	0.968 .0330	0.985 .0333	1.002 .0336	1.018 .0339	1.035 .0342	1.052 .0345	1.069 .0347	1.086 .0350	1.104 .0353	1.121 .0356	0.12
800	0.988 .0339	1.005 .0342	1.022 .0345	1.039 .0348	1.056 .0350	1.073 .0353	1.090 .0356	1.107 .0359	1.125 .0361	1.142 .0364	0.13
900	1.007 .0348	1.024 .0351	1.041 .0353	1.059 .0356	1.076 .0359	1.093 .0362	1.111 .0364	1.128 .0367	1.146 .0370	1.164 .0373	0.13
1000	1.027 .0356	1.044 .0359	1.061 .0362	1.078 .0365	1.096 .0367	1.114 .0370	1.131 .0373	1.149 .0376	1.167 .0378	1.185 .0381	0.13
1100	1.046 .0365	1.063 .0368	1.081 .0370	1.098 .0373	1.116 .0376	1.134 .0379	1.152 .0381	1.170 .0384	1.188 .0387	1.206 .0389	0.13
1200	1.065 .0373	1.083 .0376	1.100 .0379	1.118 .0382	1.136 .0384	1.154 .0387	1.172 .0390	1.190 .0392	1.208 .0395	1.227 .0398	0.14
1300	1.084 .0382	1.102 .0385	1.120 .0387	1.138 .0390	1.156 .0393	1.174 .0396	1.192 .0398	1.211 .0401	1.229 .0404	1.248 .0406	0.14
1400	1.103 .0391	1.121 .0393	1.139 .0396	1.157 .0399	1.176 .0401	1.194 .0404	1.212 .0407	1.231 .0409	1.250 .0412	1.268 .0415	0.14
1500	1.122 .0399	1.140 .0402	1.158 .0404	1.177 .0407	1.195 .0410	1.214 .0412	1.232 .0415	1.251 .0418	1.270 .0420	1.289 .0423	0.14
1600	1.141 .0407	1.159 .0410	1.177 .0413	1.196 .0415	1.215 .0418	1.233 .0421	1.252 .0423	1.271 .0426	1.290 .0429	1.309 .0431	0.14
1700	1.159 .0416	1.178 .0419	1.196 .0421	1.215 .0424	1.234 .0427	1.253 .0429	1.272 .0432	1.291 .0434	1.310 .0437	1.330 .0440	0.15
1800	1.178 .0424	1.197 .0427	1.215 .0430	1.234 .0432	1.253 .0435	1.273 .0437	1.292 .0440	1.311 .0443	1.331 .0445	1.350 .0448	0.15
1900	1.196 .0433	1.215 .0435	1.234 .0438	1.253 .0441	1.273 .0443	1.292 .0446	1.311 .0448	1.331 .0451	1.351 .0454	1.370 .0456	0.15
2000	1.214 .0441	1.234 .0444	1.253 .0446	1.272 .0449	1.292 .0451	1.311 .0454	1.331 .0457	1.351 .0459	1.370 .0462	1.390 .0464	0.15

Tab. VI, a. $D = d + (\sigma_0 - 28)\,d_1 - (\sigma_0 - 28)^2\,d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					
	9°.0	9°.1	9°.2	9°.3	9°.4	9°.5	9°.6	9°.7	9°.8	9°.9	10°.0
0	0.985	1.001	1.017	1.034	1.050	1.067	1.083	1.100	1.117	1.134	1.151
	.0299	.0301	.0304	.0307	.0310	.0313	.0316	.0318	.0321	.0324	.0327
50	0.996	1.012	1.029	1.045	1.062	1.078	1.095	1.112	1.129	1.146	1.163
	.0303	.0306	.0309	.0311	.0314	.0317	.0320	.0323	.0325	.0328	.0331
100	1.007	1.023	1.040	1.056	1.073	1.090	1.107	1.124	1.141	1.158	1.175
	.0307	.0310	.0313	.0316	.0318	.0321	.0324	.0327	.0330	.0332	.0335
150	1.018	1.035	1.051	1.068	1.085	1.102	1.119	1.136	1.153	1.170	1.187
	.0311	.0314	.0317	.0320	.0323	.0326	.0328	.0331	.0334	.0337	.0339
200	1.029	1.046	1.063	1.079	1.096	1.113	1.130	1.147	1.165	1.182	1.200
	.0316	.0319	.0321	.0324	.0327	.0330	.0333	.0335	.0338	.0341	.0344
250	1.040	1.057	1.074	1.091	1.108	1.125	1.142	1.159	1.177	1.194	1.212
	.0320	.0323	.0326	.0328	.0331	.0334	.0337	.0340	.0342	.0345	.0348
300	1.051	1.068	1.085	1.102	1.119	1.136	1.154	1.171	1.188	1.206	1.224
	.0324	.0327	.0330	.0333	.0335	.0338	.0341	.0344	.0346	.0349	.0352
350	1.062	1.079	1.096	1.113	1.130	1.148	1.165	1.183	1.200	1.218	1.236
	.0329	.0331	.0334	.0337	.0340	.0342	.0345	.0348	.0351	.0353	.0356
400	1.073	1.090	1.107	1.125	1.142	1.159	1.177	1.194	1.212	1.230	1.248
	.0333	.0336	.0338	.0341	.0344	.0347	.0349	.0352	.0355	.0358	.0360
450	1.084	1.101	1.119	1.136	1.153	1.171	1.188	1.206	1.224	1.242	1.260
	.0337	.0340	.0343	.0345	.0348	.0351	.0354	.0356	.0359	.0362	.0365
500	1.095	1.112	1.130	1.147	1.165	1.182	1.200	1.218	1.235	1.253	1.272
	.0341	.0344	.0347	.0350	.0352	.0355	.0358	.0361	.0363	.0366	.0369
600	1.117	1.134	1.152	1.169	1.187	1.205	1.223	1.241	1.259	1.277	1.295
	.0350	.0353	.0355	.0358	.0361	.0364	.0366	.0369	.0372	.0374	.0377
700	1.139	1.156	1.174	1.192	1.209	1.227	1.246	1.264	1.282	1.300	1.319
	.0358	.0361	.0364	.0367	.0369	.0372	.0375	.0377	.0380	.0383	.0385
800	1.160	1.178	1.196	1.214	1.232	1.250	1.268	1.287	1.305	1.324	1.342
	.0367	.0370	.0372	.0375	.0378	.0380	.0383	.0386	.0388	.0391	.0394
900	1.182	1.200	1.218	1.236	1.254	1.272	1.291	1.309	1.328	1.347	1.366
	.0375	.0378	.0381	.0383	.0386	.0389	.0391	.0394	.0397	.0399	.0402
1000	1.203	1.221	1.239	1.258	1.276	1.295	1.313	1.332	1.351	1.370	1.389
	.0384	.0386	.0389	.0392	.0394	.0397	.0400	.0402	.0405	.0408	.0410
1100	1.224	1.242	1.261	1.279	1.298	1.317	1.336	1.355	1.374	1.393	1.412
	.0392	.0395	.0397	.0400	.0403	.0405	.0408	.0411	.0413	.0416	.0418
1200	1.245	1.264	1.282	1.301	1.320	1.339	1.358	1.377	1.396	1.416	1.435
	.0401	.0403	.0406	.0408	.0411	.0414	.0416	.0419	.0422	.0424	.0427
1300	1.266	1.285	1.304	1.323	1.342	1.361	1.380	1.399	1.419	1.438	1.458
	.0409	.0412	.0414	.0417	.0419	.0422	.0425	.0427	.0430	.0432	.0435
1400	1.287	1.306	1.325	1.344	1.363	1.383	1.402	1.422	1.441	1.461	1.481
	.0417	.0420	.0422	.0425	.0428	.0430	.0433	.0435	.0438	.0441	.0443
1500	1.308	1.327	1.346	1.366	1.385	1.404	1.424	1.444	1.464	1.483	1.503
	.0426	.0428	.0431	.0433	.0436	.0438	.0441	0.444	.0446	.0449	.0451
1600	1.329	1.348	1.367	1.387	1.406	1.426	1.446	1.466	1.486	1.506	1.526
	.0434	.0436	.0439	.0442	.0444	.0447	.0449	.0452	.0454	.0457	.0459
1700	1.349	1.369	1.388	1.408	1.428	1.448	1.468	1.488	1.508	1.528	1.548
	.0442	.0445	.0447	.0450	.0452	.0455	.0457	.0460	.0462	.0465	.0467
1800	1.370	1.389	1.409	1.429	1.449	1.469	1.489	1.509	1.530	1.550	1.571
	.0450	.0453	.0455	.0458	.0461	.0463	.0466	.0468	.0471	.0473	.0476
1900	1.390	1.410	1.430	1.450	1.470	1.490	1.511	1.531	1.552	1.572	1.593
	.0459	.0461	.0464	.0466	.0469	.0471	.0473	.0476	.0479	.0481	.0484
2000	1.410	1.430	1.451	1.471	1.491	1.511	1.532	1.553	1.573	1.594	1.615
	.0467	.0469	.0472	.0474	.0477	.0479	.0482	.0484	.0487	.0489	.0492

Tab. VI, a. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					$1000\, d_2$
	10°.0	10°.1	10°.2	10°.3	10°.4	10°.5	10°.6	10°.7	10°.8	10°.9	$t = 11°$
0	1.151 .0327	1.168 .0329	1.185 .0332	1.203 .0335	1.220 .0338	1.238 .0340	1.256 .0343	1.273 .0346	1.291 .0349	1.309 .0351	0.12
50	1.163 .0331	1.180 .0334	1.198 .0336	1.215 .0339	1.233 .0342	1.251 .0345	1.269 .0347	1.286 .0350	1.304 .0353	1.322 .0355	0.12
100	1.175 .0335	1.193 .0338	1.210 .0341	1.228 .0343	1.246 .0346	1.263 .0349	1.281 .0352	1.299 .0354	1.317 .0357	1.335 .0360	0.12
150	1.187 .0339	1.205 .0342	1.223 .0345	1.240 .0348	1.258 .0350	1.276 .0353	1.294 .0356	1.312 .0358	1.330 .0361	1.348 .0364	0.13
200	1.200 .0344	1.217 .0346	1.235 .0349	1.253 .0352	1.270 .0354	1.288 .0357	1.307 .0360	1.325 .0363	1.343 .0365	1.361 .0368	0.13
250	1.212 .0348	1.229 .0350	1.247 .0353	1.265 .0356	1.283 .0359	1.301 .0361	1.319 .0364	1.337 .0367	1.356 .0369	1.374 .0372	0.13
300	1.224 .0352	1.241 .0355	1.259 .0357	1.277 .0360	1.295 .0363	1.313 .0365	1.332 .0368	1.350 .0371	1.369 .0373	1.387 .0376	0.13
350	1.236 .0356	1.254 .0359	1.272 .0362	1.290 .0364	1.308 .0367	1.326 .0370	1.344 .0372	1.363 .0375	1.381 .0378	1.400 .0380	0.13
400	1.248 .0360	1.266 .0363	1.284 .0366	1.302 .0368	1.320 .0371	1.338 .0374	1.357 .0376	1.375 .0379	1.394 .0382	1.413 .0384	0.13
450	1.260 .0365	1.278 .0367	1.296 .0370	1.314 .0373	1.332 .0375	1.351 .0378	1.369 .0381	1.388 .0383	1.407 .0386	1.426 .0388	0.13
500	1.272 .0369	1.290 .0371	1.308 .0374	1.326 .0377	1.345 .0379	1.363 .0382	1.382 .0385	1.401 .0387	1.419 .0390	1.438 .0393	0.13
600	1.295 .0377	1.314 .0380	1.332 .0382	1.351 .0385	1.369 .0388	1.388 .0390	1.407 .0393	1.426 .0396	1.445 .0398	1.464 .0401	0.13
700	1.319 .0385	1.337 .0388	1.356 .0391	1.375 .0393	1.394 .0396	1.412 .0399	1.431 .0401	1.451 .0404	1.470 .0406	1.489 .0409	0.14
800	1.342 .0394	1.361 .0396	1.380 .0399	1.399 .0402	1.418 .0404	1.437 .0407	1.456 .0409	1.475 .0412	1.495 .0415	1.514 .0417	0.14
900	1.366 .0402	1.385 .0405	1.404 .0407	1.423 .0410	1.442 .0412	1.461 .0415	1.481 .0418	1.500 .0420	1.520 .0423	1.539 .0425	0.14
1000	1.389 .0410	1.408 .0413	1.427 .0415	1.446 .0418	1.466 .0421	1.485 .0423	1.505 .0426	1.525 .0428	1.544 .0431	1.564 .0433	0.14
1100	1.412 .0418	1.431 .0421	1.451 .0424	1.470 .0426	1.490 .0429	1.509 .0431	1.529 .0434	1.549 .0436	1.569 .0439	1.589 .0441	0.15
1200	1.435 .0427	1.454 .0429	1.474 .0432	1.494 .0434	1.514 .0437	1.533 .0439	1.553 .0442	1.573 .0445	1.593 .0447	1.614 .0450	0.15
1300	1.458 .0435	1.478 .0437	1.497 .0440	1.517 .0443	1.537 .0445	1.557 .0448	1.577 .0450	1.598 .0453	1.618 .0455	1.638 .0458	0.15
1400	1.481 .0443	1.501 .0446	1.521 .0448	1.541 .0451	1.561 .0453	1.581 .0456	1.601 .0458	1.622 .0461	1.642 .0463	1.663 .0466	0.15
1500	1.503 .0451	1.523 .0454	1.544 .0456	1.564 .0459	1.584 .0461	1.604 .0464	1.625 .0466	1.646 .0469	1.666 .0471	1.687 .0474	0.15
1600	1.526 .0459	1.546 .0462	1.566 .0464	1.587 .0467	1.607 .0469	1.628 .0472	1.649 .0474	1.669 .0477	1.690 .0479	1.711 .0482	0.16
1700	1.548 .0467	1.569 .0470	1.589 .0472	1.610 .0475	1.631 .0477	1.651 .0480	1.672 .0482	1.693 .0485	1.714 .0487	1.735 .0490	0.16
1800	1.571 .0476	1.591 .0478	1.612 .0480	1.633 .0483	1.654 .0485	1.675 .0488	1.696 .0490	1.717 .0493	1.738 .0495	1.759 .0498	0.16
1900	1.593 .0484	1.614 .0486	1.634 .0488	1.655 .0491	1.676 .0493	1.698 .0496	1.719 .0498	1.740 .0501	1.762 .0503	1.783 .0505	0.16
2000	1.615 .0492	1.636 .0494	1.657 .0496	1.678 .0499	1.699 .0501	1.721 .0504	1.742 .0506	1.763 .0509	1.785 .0511	1.807 .0513	0.16

Tab. VI, a. $D = d + (\sigma_0 - 28)\,d_1 - (\sigma_0 - 28)^2 d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					
	11°.0	**11°.1**	**11°.2**	**11°.3**	**11°.4**	**11°.5**	**11°.6**	**11°.7**	**11°.8**	**11°.9**	**12°.0**
0	1.327	1.346	1.364	1.382	1.401	1.419	1.438	1.457	1.476	1.495	1.514
	.0354	*.0357*	*.0359*	*.0362*	*.0365*	*.0367*	*.0370*	*.0372*	*.0375*	*.0378*	*.0380*
50	1.341	1.359	1.377	1.396	1.414	1.433	1.452	1.471	1.490	1.509	1.528
	.0358	*.0361*	*.0363*	*.0366*	*.0369*	*.0371*	*.0374*	*.0377*	*.0379*	*.0382*	*.0384*
100	1.354	1.372	1.391	1.409	1.428	1.447	1.465	1.484	1.503	1.523	1.542
	.0362	*.0365*	*.0368*	*.0370*	*.0373*	*.0375*	*.0378*	*.0381*	*.0383*	*.0386*	*.0388*
150	1.367	1.385	1.404	1.422	1.441	1.460	1.479	1.498	1.517	1.537	1.556
	.0366	*.0369*	*.0372*	*.0374*	*.0377*	*.0380*	*.0382*	*.0385*	*.0387*	*.0390*	*.0392*
200	1.380	1.398	1.417	1.436	1.455	1.474	1.493	1.512	1.531	1.550	1.570
	.0371	*.0373*	*.0376*	*.0378*	*.0381*	*.0384*	*.0386*	*.0389*	*.0391*	*.0394*	*.0396*
250	1.393	1.411	1.430	1.449	1.468	1.487	1.506	1.526	1.545	1.564	1.584
	.0375	*.0377*	*.0380*	*.0383*	*.0385*	*.0388*	*.0390*	*.0393*	*.0395*	*.0398*	*.0401*
300	1.406	1.425	1.443	1.462	1.481	1.501	1.520	1.539	1.559	1.578	1.598
	.0379	*.0381*	*.0384*	*.0387*	*.0389*	*.0392*	*.0394*	*.0397*	*.0399*	*.0402*	*.0405*
350	1.419	1.438	1.457	1.476	1.495	1.514	1.533	1.553	1.572	1.592	1.612
	.0383	*.0385*	*.0388*	*.0391*	*.0393*	*.0396*	*.0398*	*.0401*	*.0403*	*.0406*	*.0409*
400	1.432	1.451	1.470	1.489	1.508	1.527	1.547	1.566	1.586	1.606	1.625
	.0387	*.0390*	*.0392*	*.0395*	*.0397*	*.0400*	*.0402*	*.0405*	*.0408*	*.0410*	*.0413*
450	1.445	1.464	1.483	1.502	1.521	1.541	1.560	1.580	1.599	1.619	1.639
	.0391	*.0394*	*.0396*	*.0399*	*.0401*	*.0404*	*.0407*	*.0409*	*.0412*	*.0414*	*.0417*
500	1.457	1.477	1.496	1.515	1.534	1.554	1.574	1.593	1.613	1.633	1.653
	.0395	*.0398*	*.0400*	*.0403*	*.0405*	*.0408*	*.0411*	*.0413*	*.0416*	*.0418*	*.0421*
600	1.483	1.502	1.522	1.541	1.561	1.580	1.600	1.620	1.640	1.660	1.680
	.0403	*.0406*	*.0408*	*.0411*	*.0414*	*.0416*	*.0419*	*.0421*	*.0424*	*.0426*	*.0429*
700	1.509	1.528	1.548	1.567	1.587	1.607	1.627	1.647	1.667	1.687	1.707
	.0412	*.0414*	*.0417*	*.0419*	*.0422*	*.0424*	*.0427*	*.0429*	*.0432*	*.0434*	*.0437*
800	1.534	1.554	1.573	1.593	1.613	1.633	1.653	1.673	1.694	1.714	1.735
	.0420	*.0422*	*.0425*	*.0427*	*.0430*	*.0432*	*.0435*	*.0437*	*.0440*	*.0442*	*.0445*
900	1.559	1.579	1.599	1.619	1.639	1.659	1.680	1.700	1.720	1.741	1.762
	.0428	*.0430*	*.0433*	*.0435*	*.0438*	*.0440*	*.0443*	*.0445*	*.0448*	*.0450*	*.0453*
1000	1.584	1.604	1.624	1.645	1.665	1.685	1.706	1.726	1.747	1.768	1.789
	.0436	*.0438*	*.0441*	*.0443*	*.0446*	*.0448*	*.0451*	*.0453*	*.0456*	*.0458*	*.0461*
1100	1.609	1.629	1.650	1.670	1.691	1.711	1.732	1.753	1.773	1.794	1.815
	.0444	*.0446*	*.0449*	*.0451*	*.0454*	*.0456*	*.0459*	*.0461*	*.0464*	*.0466*	*.0469*
1200	1.634	1.654	1.675	1.695	1.716	1.737	1.758	1.779	1.800	1.821	1.842
	.0452	*.0455*	*.0457*	*.0459*	*.0462*	*.0464*	*.0467*	*.0469*	*.0472*	*.0474*	*.0476*
1300	1.659	1.679	1.700	1.721	1.741	1.762	1.783	1.805	1.826	1.847	1.868
	.0460	*.0463*	*.0465*	*.0467*	*.0470*	*.0472*	*.0476*	*.0477*	*.0479*	*.0482*	*.0484*
1400	1.683	1.704	1.725	1.746	1.767	1.788	1.809	1.830	1.852	1.873	1.895
	.0468	*.0471*	*.0473*	*.0475*	*.0478*	*.0480*	*.0483*	*.0485*	*.0487*	*.0490*	*.0492*
1500	1.708	1.729	1.750	1.771	1.792	1.813	1.835	1.856	1.878	1.899	1.921
	.0476	*.0479*	*.0481*	*.0483*	*.0486*	*.0488*	*.0491*	*.0493*	*.0495*	*.0498*	*.0500*
1600	1.732	1.753	1.774	1.796	1.817	1.839	1.860	1.882	1.903	1.925	1.947
	.0484	*.0486*	*.0489*	*.0491*	*.0494*	*.0496*	*.0498*	*.0501*	*.0503*	*.0505*	*.0508*
1700	1.756	1.778	1.799	1.820	1.842	1.864	1.885	1.907	1.929	1.951	1.973
	.0492	*.0494*	*.0497*	*.0499*	*.0502*	*.0504*	*.0506*	*.0509*	*.0511*	*.0513*	*.0516*
1800	1.780	1.802	1.823	1.845	1.867	1.889	1.910	1.932	1.954	1.977	1.999
	.0500	*.0502*	*.0505*	*.0507*	*.0509*	*.0512*	*.0514*	*.0516*	*.0519*	*.0521*	*.0523*
1900	1.804	1.826	1.848	1.870	1.891	1.913	1.935	1.958	1.980	2.002	2.024
	.0508	*.0510*	*.0513*	*.0515*	*.0517*	*.0520*	*.0522*	*.0524*	*.0526*	*.0529*	*.0531*
2000	1.828	1.850	1.872	1.894	1.916	1.938	1.960	1.983	2.005	2.027	2.050
	.0516	*.0518*	*.0520*	*.0523*	*.0525*	*.0527*	*.0530*	*.0532*	*.0534*	*.0537*	*.0539*

Tab. VI, a. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					$1000\, d_2$
	12°.0	12°.1	12°.2	12°.3	12°.4	12°.5	12°.6	12°.7	12°.8	12°.9	$t = 13°$
0	1.514 .0380	1.533 .0383	1.552 .0385	1.572 .0388	1.591 .0391	1.611 .0393	1.630 .0396	1.650 .0398	1.670 .0401	1.690 .0403	0.13
50	1.528 .0384	1.547 .0387	1.567 .0389	1.586 .0392	1.606 .0395	1.625 .0397	1.645 .0400	1.665 .0402	1.685 .0405	1.705 .0407	0.13
100	1.542 .0388	1.561 .0391	1.581 .0394	1.600 .0396	1.620 .0399	1.640 .0401	1.660 .0404	1.679 .0406	1.699 .0409	1.720 .0411	0.14
150	1.556 .0392	1.575 .0395	1.595 .0398	1.615 .0400	1.634 .0403	1.654 .0405	1.674 .0408	1.694 .0410	1.714 .0413	1.734 .0415	0.14
200	1.570 .0396	1.589 .0399	1.609 .0402	1.629 .0404	1.649 .0407	1.669 .0409	1.689 .0412	1.709 .0414	1.729 .0417	1.749 .0419	0.14
250	1.584 .0401	1.603 .0403	1.623 .0406	1.643 .0408	1.663 .0411	1.683 .0413	1.703 .0416	1.723 .0418	1.743 .0421	1.764 .0423	0.14
300	1.598 .0405	1.617 .0407	1.637 .0410	1.657 .0412	1.677 .0415	1.697 .0417	1.717 .0420	1.738 .0422	1.758 .0425	1.779 .0427	0.14
350	1.612 .0409	1.631 .0411	1.651 .0414	1.671 .0416	1.691 .0419	1.711 .0421	1.732 .0424	1.752 .0426	1.773 .0428	1.793 .0431	0.14
400	1.625 .0413	1.645 .0415	1.665 .0418	1.685 .0420	1.706 .0423	1.726 .0425	1.746 .0428	1.767 .0430	1.787 .0432	1.808 .0435	0.14
450	1.639 .0417	1.659 .0419	1.679 .0422	1.699 .0424	1.720 .0427	1.740 .0429	1.761 .0432	1.781 .0434	1.802 .0436	1.822 .0439	0.14
500	1.653 .0421	1.673 .0423	1.693 .0426	1.713 .0428	1.734 .0431	1.754 .0433	1.775 .0436	1.795 .0438	1.816 .0440	1.837 .0443	0.14
600	1.680 .0429	1.701 .0431	1.721 .0434	1.741 .0436	1.762 .0439	1.782 .0441	1.803 .0443	1.824 .0446	1.845 .0448	1.866 .0451	0.15
700	1.707 .0437	1.728 .0439	1.749 .0442	1.769 .0444	1.790 .0447	1.811 .0449	1.832 .0451	1.853 .0454	1.874 .0456	1.895 .0459	0.15
800	1.735 .0445	1.755 .0447	1.776 .0450	1.797 .0452	1.818 .0454	1.839 .0457	1.860 .0459	1.881 .0462	1.902 .0464	1.923 .0466	0.15
900	1.762 .0453	1.782 .0455	1.803 .0458	1.824 .0460	1.845 .0462	1.866 .0465	1.888 .0467	1.909 .0470	1.930 .0472	1.952 .0474	0.15
1000	1.789 .0461	1.809 .0463	1.830 .0465	1.852 .0468	1.873 .0470	1.894 .0473	1.916 .0475	1.937 .0477	1.959 .0480	1.980 .0482	0.15
1100	1.815 .0469	1.836 .0471	1.858 .0473	1.879 .0476	1.900 .0478	1.922 .0480	1.943 .0483	1.965 .0485	1.987 .0488	2.009 .0490	0.16
1200	1.842 .0476	1.863 .0479	1.885 .0481	1.906 .0484	1.928 .0486	1.949 .0488	1.971 .0491	1.993 .0493	2.015 .0495	2.037 .0498	0.16
1300	1.868 .0484	1.890 .0487	1.911 .0489	1.933 .0491	1.955 .0494	1.977 .0496	1.998 .0498	2.020 .0501	2.042 .0503	2.065 .0505	0.16
1400	1.895 .0492	1.916 .0494	1.938 .0497	1.960 .0499	1.982 .0502	2.004 .0504	2.026 .0506	2.048 .0508	2.070 .0511	2.092 .0513	0.16
1500	1.921 .0500	1.943 .0502	1.965 .0505	1.987 .0507	2.009 .0509	2.031 .0512	2.053 .0514	2.075 .0516	2.098 .0519	2.120 .0521	0.16
1600	1.947 .0508	1.969 .0510	1.991 .0512	2.013 .0515	2.035 .0517	2.058 .0519	2.080 .0522	2.103 .0524	2.125 .0526	2.148 .0528	0.17
1700	1.973 .0516	1.995 .0518	2.017 .0520	2.040 .0522	2.062 .0525	2.084 .0527	2.107 .0529	2.130 .0532	2.152 .0534	2.175 .0536	0.17
1800	1.999 .0523	2.021 .0526	2.043 .0528	2.066 .0530	2.088 .0533	2.111 .0535	2.134 .0537	2.157 .0539	2.179 .0542	2.202 .0544	0.17
1900	2.024 .0531	2.047 .0533	2.069 .0536	2.092 .0538	2.115 .0540	2.138 .0542	2.160 .0545	2.183 .0547	2.206 .0549	2.230 .0551	0.17
2000	2.050 .0539	2.073 .0541	2.095 .0543	2.118 .0546	2.141 .0548	2.164 .0550	2.187 .0552	2.210 .0555	2.233 .0557	2.257 .0559	0.17

Tab. VI, a. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					
	13°.0	13°.1	13°.2	13°.3	13°.4	13°.5	13°.6	13°.7	13°.8	13°.9	14°.0
0	1.710 .0406	1.730 .0408	1.750 .0411	1.771 .0413	1.791 .0416	1.812 .0418	1.832 .0420	1.853 .0423	1.874 .0425	1.895 .0428	1.916 .0430
50	1.725 .0410	1.745 .0412	1.765 .0415	1.786 .0417	1.806 .0419	1.827 .0422	1.848 .0424	1.868 .0427	1.889 .0429	1.910 .0432	1.931 .0434
100	1.740 .0414	1.760 .0416	1.781 .0419	1.801 .0421	1.822 .0423	1.842 .0426	1.863 .0428	1.884 .0431	1.905 .0433	1.926 .0436	1.947 .0438
150	1.755 .0418	1.775 .0420	1.796 .0423	1.816 .0425	1.837 .0427	1.858 .0430	1.879 .0432	1.900 .0435	1.921 .0437	1.942 .0439	1.963 .0442
200	1.770 .0422	1.790 .0424	1.811 .0426	1.831 .0429	1.852 .0431	1.873 .0434	1.894 .0436	1.915 .0439	1.936 .0441	1.957 .0443	1.979 .0446
250	1.784 .0426	1.805 .0428	1.826 .0430	1.846 .0433	1.867 .0435	1.888 .0438	1.909 .0440	1.930 .0442	1.951 .0445	1.973 .0447	1.994 .0450
300	1.799 .0429	1.820 .0432	1.841 .0434	1.861 .0437	1.882 .0439	1.903 .0442	1.924 .0444	1.946 .0446	1.967 .0449	1.988 .0451	2.010 .0453
350	1.814 .0433	1.835 .0436	1.855 .0438	1.876 .0441	1.897 .0443	1.919 .0446	1.940 .0448	1.961 .0450	1.982 .0453	2.004 .0455	2.025 .0457
400	1.829 .0437	1.849 .0440	1.870 .0442	1.891 .0445	1.912 .0447	1.934 .0449	1.955 .0452	1.976 .0454	1.998 .0457	2.019 .0459	2.041 .0461
450	1.843 .0441	1.864 .0444	1.885 .0446	1.906 .0449	1.927 .0451	1.949 .0453	1.970 .0456	1.992 .0458	2.013 .0460	2.035 .0463	2.056 .0465
500	1.858 .0445	1.879 .0448	1.900 .0450	1.921 .0452	1.942 .0455	1.964 .0457	1.985 .0460	2.007 .0462	2.028 .0464	2.050 .0467	2.072 .0469
600	1.887 .0453	1.908 .0456	1.929 .0458	1.951 .0460	1.972 .0463	1.994 .0465	2.015 .0467	2.037 .0470	2.059 .0472	2.081 .0474	2.103 .0477
700	1.916 .0461	1.937 .0463	1.959 .0466	1.980 .0468	2.002 .0471	2.024 .0473	2.045 .0475	2.067 .0478	2.089 .0480	2.111 .0482	2.133 .0484
800	1.945 .0469	1.966 .0471	1.988 .0474	2.010 .0476	2.031 .0478	2.053 .0481	2.075 .0483	2.097 .0485	2.119 .0488	2.141 .0490	2.164 .0492
900	1.973 .0477	1.995 .0479	2.017 .0481	2.039 .0484	2.061 .0486	2.083 .0488	2.105 .0491	2.127 .0493	2.149 .0495	2.172 .0498	2.194 .0500
1000	2.002 .0484	2.024 .0487	2.046 .0489	2.068 .0491	2.090 .0494	2.112 .0496	2.134 .0498	2.157 .0501	2.179 .0503	2.202 .0505	2.224 .0508
1100	2.030 .0492	2.052 .0495	2.075 .0497	2.097 .0499	2.119 .0502	2.141 .0504	2.164 .0506	2.186 .0508	2.209 .0511	2.232 .0513	2.254 .0515
1200	2.059 .0500	2.081 .0502	2.103 .0505	2.126 .0507	2.148 .0509	2.170 .0511	2.193 .0514	2.216 .0516	2.238 .0518	2.261 .0521	2.284 .0523
1300	2.087 .0508	2.109 .0510	2.132 .0512	2.154 .0515	2.177 .0517	2.199 .0519	2.222 .0521	2.245 .0524	2.268 .0526	2.291 .0528	2.314 .0530
1400	2.115 .0515	2.137 .0518	2.160 .0520	2.183 .0522	2.205 .0525	2.228 .0527	2.251 .0529	2.274 .0531	2.297 .0534	2.320 .0536	2.344 .0538
1500	2.143 .0523	2.165 .0525	2.188 .0528	2.211 .0530	2.234 .0532	2.257 .0534	2.280 .0537	2.303 .0539	2.326 .0541	2.350 .0543	2.373 .0545
1600	2.170 .0531	2.193 .0533	2.216 .0535	2.239 .0537	2.262 .0540	2.285 .0542	2.309 .0544	2.332 .0546	2.355 .0549	2.379 .0551	2.402 .0553
1700	2.198 .0538	2.221 .0541	2.244 .0543	2.267 .0545	2.290 .0547	2.314 .0550	2.337 .0552	2.361 .0554	2.384 .0556	2.408 .0558	2.431 .0560
1800	2.225 .0546	2.249 .0548	2.272 .0550	2.295 .0553	2.318 .0555	2.342 .0557	2.365 .0559	2.389 .0561	2.413 .0564	2.437 .0566	2.460 .0568
1900	2.253 .0554	2.276 .0556	2.299 .0558	2.323 .0560	2.346 .0562	2.370 .0565	2.394 .0567	2.417 .0569	2.441 .0571	2.465 .0573	2.489 .0575
2000	2.280 .0561	2.303 .0563	2.327 .0566	2.350 .0568	2.374 .0570	2.398 .0572	2.422 .0574	2.446 .0576	2.470 .0579	2.494 .0581	2.518 .0583

Tab. VI, b. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					$1000\, d_2$
	2°.0	−1°.9	−1°.8	−1°.7	−1°.6	−1°.5	−1°.4	−1°.3	−1°.2	−1°.1	$t = -1°$
2000	−.192 .0135	−.184 .0139	−.175 .0142	−.167 .0146	−.158 .0149	−.149 .0153	−.140 .0156	−.131 .0160	−.121 .0163	−.112 .0167	0.04
2200	−.203 .0156	−.194 .0159	−.185 .0163	−.176 .0166	−.166 .0170	−.157 .0173	−.147 .0176	−.138 .0180	−.128 .0183	−.118 .0187	0.04
2400	−.214 .0176	−.205 .0180	−.195 .0183	−.185 .0186	−.175 .0190	−.165 .0193	−.155 .0197	−.145 .0200	−.134 .0203	−.124 .0207	0.05
2600	−.225 .0196	−.215 .0200	−.205 .0203	−.194 .0207	−.184 .0210	−.173 .0213	−.162 .0217	−.152 .0220	−.141 .0223	−.129 .0227	0.05
2800	−.235 .0217	−.225 .0220	−.214 .0223	−.203 .0227	−.192 .0230	−.181 .0233	−.170 .0236	−.158 .0240	−.147 .0243	−.135 .0246	0.06
3000	−.246 .0237	−.235 .0240	−.223 .0243	−.212 .0246	−.200 .0250	−.189 .0253	−.177 .0256	−.165 .0259	−.153 .0263	−.141 .0266	0.06
3200	−.256 .0256	−.245 .0260	−.233 .0263	−.221 .0266	−.209 .0269	−.197 .0273	−.184 .0276	−.172 .0279	−.159 .0282	−.147 .0285	0.07
3400	−.267 .0276	−.254 .0279	−.242 .0283	−.230 .0286	−.217 .0289	−.204 .0292	−.191 .0295	−.178 .0298	−.165 .0302	−.152 .0305	0.07
3600	−.277 .0296	−.264 .0299	−.251 .0302	−.238 .0305	−.225 .0308	−.212 .0311	−.198 .0315	−.185 .0318	−.171 .0321	−.158 .0324	0.08
3800	−.287 .0315	−.274 .0318	−.260 .0321	−.247 .0324	−.233 .0327	−.219 .0331	−.205 .0334	−.191 .0337	−.177 .0340	−.163 .0343	0.08
4000	−.297 .0334	−.283 .0337	−.269 .0340	−.255 .0343	−.241 .0347	−.227 .0350	−.212 .0353	−.198 .0356	−.183 .0359	−.169 .0362	0.09
4200	−.307 .0353	−.293 .0356	−.278 .0359	−.264 .0362	−.249 .0365	−.234 .0368	−.219 .0371	−.204 .0374	−.189 .0377	−.174 .0380	0.09
4400	−.317 .0372	−.302 .0375	−.287 .0378	−.272 .0381	−.257 .0384	−.241 .0387	−.226 .0390	−.210 .0393	−.195 .0396	−.179 .0399	0.10
4600	−.326 .0391	−.311 .0394	−.296 .0397	−.280 .0400	−.264 .0403	−.249 .0405	−.233 .0408	−.217 .0411	−.201 .0414	−.184 .0417	0.10
4800	−.336 .0409	−.320 .0412	−.304 .0415	−.288 .0418	−.272 .0421	−.256 .0424	−.239 .0427	−.223 .0430	−.206 .0432	−.190 .0435	0.10
5000	−.346 .0427	−.329 .0430	−.313 .0433	−.296 .0436	−.280 .0439	−.263 .0442	−.246 .0445	−.229 .0448	−.212 .0450	−.195 .0453	0.11
5500	−.369 .0473	−.351 .0475	−.333 .0478	−.316 .0481	−.298 .0484	−.280 .0487	−.262 .0489	−.244 .0492	−.226 .0495	−.207 .0498	0.12
6000	−.391 .0516	−.373 .0519	−.354 .0522	−.335 .0525	−.316 .0527	−.297 .0530	−.278 .0533	−.258 .0535	−.239 .0538	−.219 .0541	0.13
6500	−.413 .0559	−.393 .0562	−.373 .0564	−.353 .0567	−.333 .0570	−.313 .0572	−.293 .0575	−.272 .0577	−.252 .0580	−.231 .0582	0.13
7000	−.435 .0600	−.414 .0603	−.393 .0605	−.371 .0608	−.350 .0611	−.329 .0613	−.308 .0616	−.286 .0618	−.265 .0621	−.243 .0623	0.14
7500	−.455 .0640	−.433 .0643	−.411 .0645	−.389 .0648	−.367 .0650	−.344 .0653	−.322 .0655	−.299 .0658	−.277 .0660	−.254 .0663	0.15
8000	−.476 .0679	−.453 .0681	−.429 .0684	−.406 .0686	−.383 .0689	−.360 .0691	−.336 .0694	−.313 .0696	−.289 .0698	−.265 .0701	0.15
8500	−.495 .0717	−.471 .0720	−.447 .0722	−.423 .0724	−.398 .0727	−.374 .0729	−.350 .0731	−.325 .0734	−.301 .0736	−.276 .0738	0.16
9000	−.514 .0754	−.489 .0756	−.464 .0758	−.439 .0761	−.414 .0763	−.388 .0765	−.363 .0767	−.337 .0770	−.312 .0772	−.286 .0774	0.16
9500	−.533 .0789	−.507 .0791	−.481 .0793	−.455 .0796	−.428 .0798	−.402 .0800	−.376 .0802	−.349 .0804	−.323 .0806	−.296 .0809	0.17
10000	−.551 .0822	−.524 .0824	−.497 .0827	−.470 .0829	−.443 .0831	−.416 .0833	−.388 .0835	−.361 .0837	−.333 .0839	−.306 .0841	0.17

Tab. VI, b. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					
	−1°.0	−0°.9	−0°.8	−0°.7	−0°.6	−0°.5	−0°.4	−0°.3	−0°.2	−0°.1	0°.0
2000	−.102	−.093	−.083	−.073	−.063	−.053	−.042	−.032	−.021	−.011	0
	.0170	.0174	.0177	.0180	.0184	.0187	.0190	.0194	.0197	.0200	.0204
2200	−.108	−.097	−.087	−.077	−.066	−.055	−.044	−.033	−.022	−.011	0
	.0190	.0193	.0197	.0200	.0203	.0207	.0210	.0213	.0217	.0220	.0223
2400	−.113	−.102	−.091	−.080	−.069	−.058	−.047	−.035	−.024	−.012	0
	.0210	.0213	.0217	.0220	.0223	.0227	.0230	.0233	.0236	.0240	.0243
2600	−.118	−.107	−.096	−.084	−.072	−.061	−.049	−.037	−.025	−.012	0
	.0230	.0233	.0236	.0240	.0243	.0246	.0249	.0253	.0256	.0259	.0263
2800	−.124	−.112	−.100	−.088	−.076	−.063	−.051	−.038	−.026	−.013	0
	.0250	.0253	.0256	.0259	.0262	.0266	.0269	.0272	.0275	.0279	.0282
3000	−.129	−.116	−.104	−.091	−.079	−.066	−.053	−.040	−.027	−.013	0
	.0269	.0272	.0276	.0279	.0282	.0285	.0288	.0291	.0295	.0298	.0301
3200	−.134	−.121	−.108	−.095	−.082	−.068	−.055	−.041	−.028	−.014	0
	.0289	.0292	.0295	.0298	.0301	.0304	.0307	.0310	.0314	.0317	.0320
3400	−.139	−.125	−.112	−.098	−.085	−.071	−.057	−.043	−.029	−.014	0
	.0308	.0311	.0314	.0317	.0320	.0323	.0326	.0329	.0332	.0336	.0339
3600	−.144	−.130	−.116	−.102	−.088	−.073	−.059	−.044	−.030	−.015	0
	.0327	.0330	.0333	.0336	.0339	.0342	.0345	.0348	.0351	.0354	.0357
3800	−.149	−.134	−.120	−.105	−.091	−.076	−.061	−.046	−.031	−.015	0
	.0346	.0349	.0352	.0355	.0358	.0361	.0364	.0367	.0370	.0373	.0376
4000	−.154	−.139	−.124	−.109	−.093	−.078	−.063	−.047	−.032	−.016	0
	.0365	.0368	.0371	.0374	.0377	.0380	.0382	.0385	.0388	.0391	.0394
4200	−.159	−.143	−.128	−.112	−.096	−.081	−.065	−.049	−.032	−.016	0
	.0383	.0386	.0389	.0392	.0395	.0398	.0401	.0404	.0407	.0410	.0412
4400	−.163	−.147	−.131	−.115	−.099	−.083	−.067	−.050	−.033	−.017	0
	.0402	.0405	.0408	.0410	.0413	.0416	.0419	.0422	.0425	.0428	.0431
4600	−.168	−.152	−.135	−.119	−.102	−.085	−.068	−.051	−.034	−.017	0
	.0420	.0423	.0426	.0429	.0432	.0434	.0437	.0440	.0443	.0446	.0449
4800	−.173	−.156	−.139	−.122	−.105	−.088	−.070	−.053	−.035	−.018	0
	.0438	.0441	.0444	.0447	.0450	.0452	.0455	.0458	.0461	.0464	.0466
5000	−.178	−.160	−.143	−.125	−.108	−.090	−.072	−.054	−.036	−.018	0
	.0456	.0459	.0462	.0465	.0467	.0470	.0473	.0476	.0478	.0481	.0484
5500	−.189	−.170	−.152	−.133	−.114	−.096	−.077	−.058	−.038	−.019	0
	.0500	.0503	.0506	.0508	.0511	.0514	.0517	.0519	.0522	.0525	.0527
6000	−.200	−.180	−.161	−.141	−.121	−.101	−.081	−.061	−.041	−.020	0
	.0543	.0546	.0548	.0551	.0554	.0556	.0559	.0561	.0564	.0567	.0569
6500	−.211	−.190	−.169	−.148	−.127	−.106	−.085	−.064	−.043	−.021	0
	.0585	.0588	.0590	.0593	.0595	.0598	.0600	.0603	.0605	.0608	.0610
7000	−.221	−.199	−.178	−.156	−.134	−.112	−.089	−.067	−.045	−.022	0
	.0626	.0628	.0631	.0633	.0636	.0638	.0641	.0643	.0645	.0648	.0650
7500	−.231	−.209	−.186	−.163	−.140	−.117	−.093	−.070	−.047	−.023	0
	.0665	.0667	.0670	.0672	.0675	.0677	.0680	.0682	.0684	.0687	.0689
8000	−.242	−.218	−.194	−.170	−.146	−.122	−.097	−.073	−.049	−.024	0
	.0703	.0706	.0708	.0710	.0713	.0715	.0717	.0720	.0722	.0724	.0726
8500	−.251	−.226	−.201	−.177	−.152	−.126	−.101	−.076	−.051	−.025	0
	.0740	.0743	.0745	.0747	.0750	.0752	.0754	.0756	.0758	.0761	.0763
9000	−.261	−.235	−.209	−.183	−.157	−.131	−.105	−.079	−.053	−.026	0
	.0776	.0779	.0781	.0783	.0785	.0787	.0789	.0792	.0794	.0796	.0798
9500	−.270	−.243	−.216	−.189	−.163	−.136	−.109	−.082	−.054	−.027	0
	.0811	.0813	.0815	.0817	.0819	.0821	.0823	.0826	.0828	.0830	.0832
10000	−.278	−.251	−.223	−.196	−.168	−.140	−.112	−.084	−.056	−.028	0
	.0843	.0846	.0848	.0850	.0852	.0854	.0856	.0858	.0860	.0862	.0864

Tab. VI, b. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					$1000\, d_2$
	0°.0	0°.1	0°.2	0°.3	0°.4	0°.5	0°.6	0°.7	0°.8	0°.9	$t = 1°$
2000	0 .0204	0.011 .0207	0.022 .0210	0.033 .0214	0.044 .0217	0.056 .0220	0.067 .0224	0.079 .0227	0.091 .0230	0.102 .0233	0.07
2200	0 .0223	0.011 .0227	0.023 .0230	0.035 .0233	0.046 .0237	0.058 .0240	0.070 .0243	0.083 .0246	0.095 .0250	0.107 .0253	0.08
2400	0 .0243	0.012 .0246	0.024 .0249	0.036 .0253	0.049 .0256	0.061 .0259	0.074 .0262	0.086 .0265	0.099 .0269	0.112 .0272	0.08
2600	0 .0263	0.012 .0266	0.025 .0269	0.038 .0272	0.051 .0275	0.064 .0278	0.077 .0282	0.090 .0285	0.103 .0288	0.116 .0291	0.09
2800	0 .0282	0.013 .0285	0.026 .0288	0.039 .0291	0.053 .0294	0.066 .0297	0.080 .0301	0.093 .0304	0.107 .0307	0.121 .0310	0.09
3000	0 .0301	0.013 .0304	0.027 .0307	0.041 .0310	0.055 .0313	0.069 .0316	0.083 .0320	0.097 .0323	0.111 .0326	0.125 .0329	0.10
3200	0 .0320	0.014 .0323	0.028 .0326	0.042 .0329	0.057 .0332	0.071 .0335	0.086 .0338	0.100 .0341	0.115 .0344	0.130 .0347	0.10
3400	0 .0339	0.015 .0342	0.029 .0345	0.044 .0348	0.059 .0351	0.074 .0354	0.089 .0357	0.104 .0360	0.119 .0363	0.134 .0366	0.11
3600	0 .0357	0.015 .0360	0.030 .0363	0.045 .0366	0.061 .0369	0.076 .0372	0.091 .0375	0.107 .0378	0.123 .0381	0.139 .0384	0.11
3800	0 .0376	0.015 .0379	0.031 .0382	0.047 .0385	0.063 .0388	0.078 .0391	0.094 .0394	0.110 .0397	0.127 .0399	0.143 .0402	0.12
4000	0 .0394	0.016 .0397	0.032 .0400	0.048 .0403	0.064 .0406	0.081 .0409	0.097 .0412	0.114 .0415	0.130 .0417	0.147 .0420	0.12
4200	0 .0412	0.016 .0415	0.033 .0418	0.050 .0421	0.066 .0424	0.083 .0427	0.100 .0430	0.117 .0433	0.134 .0435	0.151 .0438	0.13
4400	0 .0431	0.017 .0433	0.034 .0436	0.051 .0439	0.068 .0442	0.085 .0445	0.103 .0448	0.120 .0450	0.138 .0453	0.156 .0456	0.13
4600	0 .0449	0.017 .0451	0.035 .0454	0.052 .0457	0.070 .0460	0.088 .0463	0.106 .0465	0.124 .0468	0.142 .0471	0.160 .0474	0.13
4800	0 .0466	0.018 .0469	0.036 .0472	0.054 .0475	0.072 .0477	0.090 .0480	0.108 .0483	0.127 .0486	0.145 .0488	0.164 .0491	0.14
5000	0 .0484	0.018 .0487	0.037 .0489	0.055 .0492	0.074 .0495	0.092 .0498	0.111 .0500	0.130 .0503	0.149 .0506	0.168 .0508	0.14
5500	0 .0527	0.019 .0530	0.039 .0532	0.058 .0535	0.078 .0538	0.098 .0540	0.118 .0543	0.138 .0545	0.158 .0548	0.178 .0551	0.15
6000	0 .0569	0.020 .0572	0.041 .0574	0.062 .0577	0.082 .0579	0.103 .0582	0.124 .0584	0.145 .0587	0.166 .0590	0.187 .0592	0.16
6500	0 .0610	0.022 .0613	0.043 .0615	0.065 .0618	0.087 .0620	0.108 .0623	0.130 .0625	0.152 .0628	0.174 .0630	0.197 .0633	0.17
7000	0 .0650	0.023 .0653	0.045 .0655	0.068 .0658	0.091 .0660	0.114 .0662	0.137 .0665	0.160 .0667	0.183 .0669	0.206 .0672	0.18
7500	0 .0689	0.024 .0691	0.047 .0694	0.071 .0696	0.095 .0698	0.119 .0701	0.142 .0703	0.166 .0705	0.191 .0708	0.215 .0710	0.18
8000	0 .0726	0.025 .0729	0.049 .0731	0.074 .0733	0.099 .0736	0.123 .0738	0.148 .0740	0.173 .0742	0.198 .0745	0.223 .0747	0.19
8500	0 .0763	0.025 .0765	0.051 .0767	0.077 .0769	0.102 .0772	0.128 .0774	0.154 .0776	0.180 .0778	0.206 .0780	0.232 .0783	0.19
9000	0 .0798	0.026 .0800	0.053 .0802	0.079 .0804	0.106 .0806	0.133 .0809	0.159 .0811	0.186 .0813	0.213 .0815	0.240 .0817	0.20
9500	0 .0832	0.027 .0834	0.055 .0836	0.082 .0838	0.110 .0840	0.137 .0842	0.165 .0844	0.192 .0846	0.220 .0848	0.248 .0850	0.20
10000	0 .0864	0.028 .0866	0.056 .0868	0.085 .0870	0.113 .0872	0.142 .0874	0.170 .0876	0.198 .0878	0.227 .0880	0.256 .0882	0·20

Tab. VI, b. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$ $d_1 = 000$										
	1°.0	**1°.1**	**1°.2**	**1°.3**	**1°.4**	**1°.5**	**1°.6**	**1°.7**	**1°.8**	**1°.9**	**2°.0**
2000	0.114 *.0237*	0.126 *.0240*	0.139 *.0243*	0.151 *.0246*	0.163 *.0249*	0.176 *.0253*	0.188 *.0256*	0.201 *.0259*	0.214 *.0262*	0.227 *.0265*	0.240 *.0269*
2200	0.120 *.0256*	0.132 *.0259*	0.145 *.0262*	0.158 *.0266*	0.171 *.0269*	0.184 *.0272*	0.197 *.0275*	0.210 *.0278*	0.223 *.0281*	0.237 *.0284*	0.250 *.0287*
2400	0.125 *.0275*	0.138 *.0278*	0.151 *.0281*	0.164 *.0285*	0.178 *.0288*	0.191 *.0291*	0.205 *.0294*	0.219 *.0297*	0.232 *.0300*	0.246 *.0303*	0.260 *.0306*
2600	0.130 *.0294*	0.143 *.0297*	0.157 *.0300*	0.171 *.0303*	0.185 *.0307*	0.199 *.0310*	0.213 *.0313*	0.227 *.0316*	0.241 *.0319*	0.256 *.0322*	0.270 *.0325*
2800	0.135 *.0313*	0.149 *.0316*	0.163 *.0319*	0.177 *.0322*	0.192 *.0325*	0.206 *.0328*	0.221 *.0331*	0.236 *.0334*	0.250 *.0337*	0.265 *.0340*	0.280 *.0343*
3000	0.140 *.0332*	0.154 *.0335*	0.169 *.0338*	0.184 *.0341*	0.199 *.0344*	0.214 *.0347*	0.229 *.0350*	0.244 *.0353*	0.259 *.0356*	0.274 *.0359*	0.290 *.0362*
3200	0.145 *.0350*	0.160 *.0353*	0.175 *.0356*	0.190 *.0359*	0.205 *.0362*	0.221 *.0365*	0.236 *.0368*	0.252 *.0371*	0.268 *.0374*	0.284 *.0377*	0.300 *.0380*
3400	0.150 *.0369*	0.165 *.0372*	0.181 *.0375*	0.197 *.0378*	0.212 *.0381*	0.228 *.0383*	0.244 *.0386*	0.260 *.0389*	0.277 *.0392*	0.293 *.0395*	0.309 *.0398*
3600	0.155 *.0387*	0.171 *.0390*	0.187 *.0393*	0.203 *.0396*	0.219 *.0399*	0.235 *.0402*	0.252 *.0404*	0.268 *.0407*	0.285 *.0410*	0.302 *.0413*	0.319 *.0416*
3800	0.159 *.0405*	0.176 *.0408*	0.192 *.0411*	0.209 *.0414*	0.226 *.0417*	0.242 *.0420*	0.259 *.0422*	0.276 *.0425*	0.294 *.0428*	0.311 *.0431*	0.328 *.0433*
4000	0.164 *.0423*	0.181 *.0426*	0.198 *.0429*	0.215 *.0432*	0.232 *.0435*	0.249 *.0437*	0.267 *.0440*	0.284 *.0443*	0.302 *.0446*	0.320 *.0448*	0.337 *.0451*
4200	0.169 *.0441*	0.186 *.0444*	0.204 *.0447*	0.221 *.0449*	0.239 *.0452*	0.256 *.0455*	0.274 *.0458*	0.292 *.0460*	0.310 *.0463*	0.328 *.0466*	0.347 *.0469*
4400	0.173 *.0459*	0.191 *.0462*	0.209 *.0464*	0.227 *.0467*	0.245 *.0470*	0.263 *.0473*	0.282 *.0475*	0.300 *.0478*	0.319 *.0481*	0.337 *.0483*	0.356 *.0486*
4600	0.178 *.0476*	0.196 *.0479*	0.215 *.0482*	0.233 *.0484*	0.252 *.0487*	0.270 *.0490*	0.289 *.0492*	0.308 *.0495*	0.327 *.0498*	0.346 *.0500*	0.365 *.0503*
4800	0.182 *.0494*	0.201 *.0496*	0.220 *.0499*	0.239 *.0502*	0.258 *.0504*	0.277 *.0507*	0.296 *.0510*	0.315 *.0512*	0.335 *.0515*	0.354 *.0518*	0.374 *.0520*
5000	0.187 *.0511*	0.206 *.0514*	0.225 *.0516*	0.245 *.0519*	0.264 *.0521*	0.284 *.0524*	0.303 *.0527*	0.323 *.0529*	0.343 *.0532*	0.362 *.0534*	0.382 *.0537*
5500	0.198 *.0553*	0.218 *.0556*	0.238 *.0558*	0.259 *.0561*	0.279 *.0563*	0.300 *.0566*	0.320 *.0569*	0.341 *.0571*	0.362 *.0574*	0.383 *.0576*	0.404 *.0579*
6000	0.209 *.0595*	0.230 *.0597*	0.251 *.0600*	0.273 *.0602*	0.294 *.0604*	0.316 *0607*	0.337 *.0609*	0.359 *.0612*	0.381 *.0614*	0.403 *.0617*	0.425 *.0619*
6500	0.219 *.0635*	0.241 *.0637*	0.264 *.0640*	0.286 *.0642*	0.309 *.0645*	0.331 *.0647*	0.354 *.0649*	0.377 *.0652*	0.399 *.0654*	0.422 *.0656*	0.445 *.0659*
7000	0.229 *.0674*	0.252 *.0676*	0.276 *.0679*	0.299 *.0681*	0.323 *.0683*	0.346 *.0686*	0.370 *.0688*	0.394 *.0690*	0.417 *.0692*	0.441 *.0695*	0.465 *.0697*
7500	0.239 *.0712*	0.263 *.0714*	0.287 *.0717*	0.312 *.0719*	0.336 *.0721*	0.361 *.0723*	0.385 *.0726*	0.410 *.0728*	0.435 *.0730*	0.460 *.0732*	0.485 *.0734*
8000	0.249 *.0749*	0.274 *.0751*	0.299 *.0753*	0.324 *.0756*	0.350 *.0758*	0.375 *.0760*	0.401 *.0762*	0.426 *.0764*	0.452 *.0766*	0.478 *.0769*	0.504 *.0771*
8500	0.258 *.0785*	0.284 *.0787*	0.310 *.0789*	0.336 *.0791*	0.363 *.0793*	0.389 *.0795*	0.416 *.0797*	0.442 *.0799*	0.469 *.0802*	0.495 *.0804*	0.522 *.0806*
9000	0.267 *.0819*	0.294 *.0821*	0.321 *.0823*	0.348 *.0825*	0.375 *.0827*	0.403 *.0829*	0.430 *.0831*	0.457 *.0833*	0.485 *.0836*	0.512 *.0838*	0.540 *.0840*
9500	0.276 *.0852*	0.304 *.0854*	0.332 *.0856*	0.360 *.0858*	0.388 *.0860*	0.416 *.0862*	0.444 *.0864*	0.472 *.0866*	0.500 *.0868*	0.529 *.0870*	0.557 *.0872*
10000	0.284 *.0884*	0.313 *.0886*	0.342 *.0888*	0.371 *.0890*	0.400 *.0892*	0.429 *.0894*	0.458 *.0896*	0.487 *.0898*	0.516 *.0900*	0.545 *.0902*	0.574 *.0903*

Tab. VI, b. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					$1000\, d_2$
	2°.0	2°.1	2°.2	2°.3	2°.4	2°.5	2°.6	2°.7	2°.8	2°.9	$t = 3°$
2000	0.240 .0269	0.253 .0272	0.267 .0275	0.280 .0278	0.294 .0281	0.307 .0284	0.321 .0287	0.335 .0290	0.349 .0293	0.363 .0296	0.10
2200	0.250 .0287	0.264 .0290	0.278 .0294	0.292 .0297	0.306 .0300	0.320 .0303	0.334 .0306	0.348 .0309	0.363 .0312	0.377 .0315	0.10
2400	0.260 .0306	0.275 .0309	0.289 .0312	0.303 .0315	0.318 .0318	0.333 .0321	0.347 .0324	0.362 .0327	0.377 .0330	0.392 .0333	0.11
2600	0.270 .0325	0.285 .0328	0.300 .0331	0.315 .0334	0.330 .0337	0.345 .0340	0.360 .0343	0.375 .0346	0.391 .0349	0.406 .0352	0.11
2800	0.280 .0343	0.295 .0346	0.311 .0349	0.326 .0352	0.342 .0355	0.357 .0358	0.373 .0361	0.388 .0364	0.404 .0367	0.420 .0370	0.12
3000	0.290 .0362	0.306 .0364	0.321 .0367	0.337 .0370	0.353 .0373	0.369 .0376	0.385 .0379	0.401 .0382	0.418 .0385	0.434 .0388	0.12
3200	0.300 .0380	0.316 .0383	0.332 .0386	0.348 .0388	0.365 .0391	0.381 .0394	0.398 .0397	0.414 .0400	0.431 .0403	0.448 .0405	0.13
3400	0.309 .0398	0.326 .0401	0.342 .0404	0.359 .0406	0.376 .0409	0.393 .0412	0.410 .0415	0.427 .0418	0.444 .0420	0.462 .0423	0.13
3600	0.319 .0416	0.336 .0418	0.353 .0421	0.370 .0424	0.387 .0427	0.405 .0430	0.422 .0433	0.440 .0435	0.457 .0438	0.475 .0441	0.14
3800	0.328 .0433	0.346 .0436	0.363 .0439	0.381 .0442	0.399 .0445	0.416 .0447	0.434 .0450	0.452 .0453	0.470 .0456	0.489 .0458	0.14
4000	0.337 .0451	0.355 .0454	0.373 .0457	0.391 .0459	0.410 .0462	0.428 .0465	0.446 .0467	0.465 .0470	0.483 .0473	0.502 .0475	0.15
4200	0.347 .0469	0.365 .0471	0.383 .0474	0.402 .0477	0.421 .0479	0.439 .0482	0.458 .0485	0.477 .0487	0.496 .0490	0.515 .0493	0.15
4400	0.356 .0486	0.375 .0489	0.393 .0491	0.412 .0494	0.431 .0497	0.450 .0499	0.470 .0502	0.489 .0505	0.508 .0507	0.528 .0510	0.16
4600	0.365 .0503	0.384 .0506	0.403 .0508	0.423 .0511	0.442 .0514	0.462 .0516	0.481 .0519	0.501 .0522	0.521 .0524	0.541 .0527	0.16
4800	0.374 .0520	0.393 .0523	0.413 .0525	0.433 .0528	0.453 .0531	0.473 .0533	0.493 .0536	0.513 .0538	0.533 .0541	0.553 .0543	0.16
5000	0.382 .0537	0.402 .0540	0.423 .0542	0.443 .0545	0.463 .0547	0.483 .0550	0.504 .0552	0.524 .0555	0.545 .0557	0.566 .0560	0.17
5500	0.404 .0579	0.425 .0581	0.446 .0584	0.467 .0586	0.489 .0589	0.510 .0591	0.532 .0593	0.553 .0596	0.575 .0598	0.596 .0601	0.18
6000	0.425 .0619	0.447 .0622	0.469 .0624	0.491 .0626	0.514 .0629	0.536 .0631	0.559 .0633	0.581 .0636	0.604 .0638	0.627 .0640	0.19
6500	0.445 .0659	0.468 .0661	0.492 .0663	0.515 .0666	0.538 .0668	0.562 .0670	0.585 .0672	0.608 .0675	0.632 .0677	0.656 .0679	0.19
7000	0.465 .0697	0.489 .0699	0.513 .0701	0.538 .0704	0.562 .0706	0.586 .0708	0.610 .0710	0.635 .0713	0.659 .0715	0.684 .0717	0.20
7500	0.485 .0734	0.510 .0737	0.535 .0739	0.560 .0741	0.585 .0743	0.610 .0745	0.635 .0747	0.661 .0750	0.686 .0752	0.712 .0754	0.21
8000	0.504 .0771	0.529 .0773	0.555 .0775	0.581 .0777	0.607 .0779	0.634 .0781	0.660 .0783	0.686 .0785	0.712 .0787	0.739 .0789	0.21
8500	0.522 .0806	0.549 .0808	0.575 .0810	0.602 .0812	0.629 .0814	0.656 .0816	0.683 .0818	0.710 .0820	0.738 .0822	0.765 .0824	0.22
9000	0.540 .0840	0.567 .0842	0.595 .0844	0.623 .0845	0.651 .0847	0.678 .0849	0.706 .0851	0.734 .0853	0.762 .0855	0.790 .0857	0.22
9500	0.557 .0872	0.586 .0874	0.614 .0876	0.643 .0878	0.671 .0880	0.700 .0882	0.729 .0884	0.757 .0885	0.786 .0887	0.815 .0889	0.23
10000	0.574 .0903	0.603 .0905	0.633 .0907	0.662 .0909	0.692 .0911	0.721 .0913	0.751 .0915	0.780 .0916	0.810 .0918	0.839 .0920	0.23

Tab. VI, b. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2 d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					
	3°.0	3°.1	3°.2	3°.3	3°.4	3°.5	3°.6	3°.7	3°.8	3°.9	4°.0
2000	0.377	0.391	0.406	0.420	0.435	0.450	0.464	0.479	0.494	0.509	0.525
	.0299	.0303	.0306	.0309	.0312	.0315	.0318	.0321	.0324	.0327	.0330
2200	0.392	0.407	0.422	0.437	0.452	0.467	0.482	0.498	0.513	0.529	0.544
	.0318	.0321	.0324	.0327	.0330	.0333	.0336	.0339	.0342	.0345	.0348
2400	0.407	0.422	0.437	0.453	0.468	0.484	0.500	0.516	0.532	0.548	0.564
	.0336	.0339	.0342	.0345	.0348	.0351	.0354	.0357	.0360	.0363	.0366
2600	0.422	0.437	0.453	0.469	0.485	0.501	0.517	0.534	0.550	0.566	0.583
	.0354	.0357	.0360	.0363	.0366	.0369	.0372	.0375	.0378	.0381	.0383
2800	0.436	0.452	0.469	0.485	0.501	0.518	0.535	0.551	0.568	0.585	0.602
	.0373	.0375	.0378	.0381	.0384	.0387	.0390	.0393	.0395	.0398	.0401
3000	0.451	0.467	0.484	0.501	0.518	0.535	0.552	0.569	0.586	0.603	0.621
	.0391	.0393	.0396	.0399	.0402	.0405	.0408	.0411	.0413	.0416	.0419
3200	0.465	0.482	0.499	0.516	0.534	0.551	0.569	0.586	0.604	0.622	0.639
	.0408	.0411	.0414	.0417	.0419	.0422	.0425	.0428	.0431	.0433	.0436
3400	0.479	0.497	0.514	0.532	0.549	0.567	0.585	0.603	0.621	0.640	0.658
	.0426	.0429	.0432	.0434	.0437	.0440	.0443	.0445	.0448	.0451	.0453
3600	0.493	0.511	0.529	0.547	0.565	0.583	0.602	0.620	0.639	0.657	0.676
	.0443	.0446	.0449	.0452	.0454	.0457	.0460	.0463	.0465	.0468	.0471
3800	0.507	0.525	0.544	0.562	0.581	0.599	0.618	0.637	0.656	0.675	0.694
	.0461	.0464	.0466	.0469	.0472	.0474	.0477	.0480	.0482	.0485	.0488
4000	0.520	0.539	0.558	0.577	0.596	0.615	0.634	0.654	0.673	0.693	0.712
	.0478	.0481	.0483	.0486	.0489	.0491	.0494	.0497	.0499	.0502	.0505
4200	0.534	0.553	0.572	0.592	0.611	0.631	0.650	0.670	0.690	0.710	0.730
	.0495	.0498	.0501	.0503	.0506	.0508	.0511	.0514	.0516	.0519	.0521
4400	0.547	0.567	0.587	0.606	0.626	0.646	0.666	0.686	0.707	0.727	0.747
	.0512	.0515	.0518	.0520	.0523	.0525	.0528	.0530	.0533	.0536	.0538
4600	0.561	0.581	0.601	0.621	0.641	0.662	0.682	0.703	0.723	0.744	0.765
	.0529	.0532	.0534	.0537	.0539	.0542	.0545	.0547	.0550	.0552	.0555
4800	0.574	0.594	0.615	0.635	0.656	0.677	0.698	0.718	0.739	0.761	0.782
	.0546	.0548	.0551	.0554	.0556	.0558	.0561	.0563	.0566	.0568	.0571
5000	0.586	0.607	0.628	0.649	0.670	0.692	0.713	0.734	0.756	0.777	0.799
	.0562	.0565	.0567	.0570	.0572	.0575	.0577	.0580	.0582	.0585	.0587
5500	0.618	0.640	0.662	0.684	0.706	0.728	0.751	0.773	0.795	0.818	0.840
	.0603	.0606	.0608	.0610	.0613	.0615	.0618	.0620	.0622	.0625	.0627
6000	0.649	0.672	0.695	0.718	0.741	0.764	0.787	0.811	0.834	0.857	0.881
	.0643	.0645	.0647	.0650	.0652	.0654	.0656	.0659	.0661	.0663	.0666
6500	0.679	0.703	0.727	0.751	0.775	0.799	0.823	0.847	0.872	0.896	0.920
	.0681	.0684	.0686	.0688	.0690	.0693	.0695	.0697	.0699	.0702	.0704
7000	0.709	0.733	0.758	0.783	0.808	0.833	0.858	0.883	0.908	0.933	0.959
	.0719	.0721	.0723	.0726	.0728	.0730	.0732	.0734	.0736	.0739	.0741
7500	0.737	0.763	0.788	0.814	0.840	0.866	0.892	0.918	0.944	0.970	0.996
	.0756	.0758	.0760	.0762	.0764	.0766	.0769	.0771	.0773	.0775	.0777
8000	0.765	0.792	0.818	0.845	0.871	0.898	0.925	0.952	0.978	1.005	1.032
	.0792	.0794	.0796	.0798	.0800	.0802	.0804	.0806	.0808	.0810	.0812
8500	0.792	0.819	0.847	0.874	0.902	0.929	0.957	0.985	1.012	1.040	1.068
	.0826	.0828	.0830	.0832	.0834	.0836	.0838	.0840	.0842	.0843	.0845
9000	0.818	0.847	0.875	0.903	0.931	0.960	0.988	1.017	1.045	1.074	1.103
	.0859	.0861	.0863	.0865	.0867	.0869	.0870	.0872	.0874	.0876	.0878
9500	0.844	0.873	0.902	0.931	0.960	0.990	1.019	1.048	1.078	1.107	1.136
	.0891	.0893	.0895	.0897	.0899	.0900	.0902	.0904	.0906	.0908	.0910
10000	0.869	0.899	0.929	0.959	0.989	1.019	1.049	1.079	1.109	1.139	1.169
	.0922	.0924	.0926	.0927	.0929	.0931	.0933	.0935	.0936	.0938	.0940

Tab. VI, b. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					$1000\, d_2$
	4°.0	4°.1	4°.2	4°.3	4°.4	4°.5	4°.6	4°.7	4°.8	4°.9	$t = 5°$
2000	0.525 .0330	0.540 .0332	0.555 .0335	0.571 .0338	0.587 .0341	0.602 .0344	0.618 .0347	0.634 .0350	0.650 .0353	0.666 .0356	0.12
2200	0.544 .0348	0.560 .0351	0.576 .0353	0.592 .0356	0.608 .0359	0.624 .0362	0.640 .0365	0.657 .0368	0.673 .0371	0.690 .0374	0.13
2400	0.564 .0366	0.580 .0368	0.596 .0371	0.613 .0374	0.629 .0377	0.646 .0380	0.662 .0383	0.679 .0386	0.696 .0388	0.713 .0391	0.13
2600	0.583 .0383	0.600 .0386	0.616 .0389	0.633 .0392	0.650 .0395	0.667 .0398	0.684 .0400	0.702 .0403	0.719 .0406	0.736 .0409	0.14
2800	0.602 .0401	0.619 .0404	0.636 .0407	0.654 .0409	0.671 .0412	0.688 .0415	0.706 .0418	0.724 .0421	0.741 .0423	0.759 .0426	0.14
3000	0.621 .0419	0.638 .0421	0.656 .0424	0.674 .0427	0.692 .0430	0.709 .0432	0.727 .0435	0.746 .0438	0.764 .0441	0.782 .0443	0.15
3200	0.639 .0436	0.657 .0439	0.676 .0442	0.694 .0444	0.712 .0447	0.730 .0450	0.749 .0452	0.767 .0455	0.786 .0458	0.805 .0460	0.15
3400	0.658 .0453	0.676 .0456	0.695 .0459	0.713 .0461	0.732 .0464	0.751 .0467	0.770 .0469	0.789 .0472	0.808 .0475	0.827 .0477	0.16
3600	0.676 .0471	0.695 .0473	0.714 .0476	0.733 .0479	0.752 .0481	0.771 .0484	0.790 .0486	0.810 .0489	0.829 .0492	0.849 .0494	0.16
3800	0.694 .0488	0.714 .0490	0.733 .0493	0.752 .0496	0.772 .0498	0.791 .0501	0.811 .0503	0.831 .0506	0.851 .0508	0.871 .0511	0.16
4000	0.712 .0505	0.732 .0507	0.752 .0510	0.771 .0512	0.791 .0515	0.811 .0517	0.831 .0520	0.852 .0523	0.872 .0525	0.892 .0528	0.17
4200	0.730 .0521	0.750 .0524	0.770 .0526	0.790 .0529	0.811 .0532	0.831 .0534	0.852 .0537	0.872 .0539	0.893 .0542	0.913 .0544	0.17
4400	0.747 .0538	0.768 .0541	0.788 .0543	0.809 .0546	0.830 .0548	0.851 .0551	0.871 .0553	0.892 .0556	0.913 .0558	0.935 .0560	0.18
4600	0.765 .0555	0.786 .0557	0.807 .0559	0.828 .0562	0.849 .0564	0.870 .0567	0.891 .0569	0.912 .0572	0.934 .0574	0.955 .0577	0.18
4800	0.782 .0571	0.803 .0573	0.824 .0576	0.846 .0578	0.867 .0581	0.889 .0583	0.911 .0585	0.932 .0588	0.954 .0590	0.976 .0593	0.18
5000	0.799 .0587	0.820 .0589	0.842 .0592	0.864 .0594	0.886 .0597	0.908 .0599	0.930 .0601	0.952 .0604	0.974 .0606	0.996 .0609	0.19
5500	0.840 .0627	0.863 .0629	0.886 .0632	0.908 .0634	0.931 .0636	0.954 .0639	0.977 .0641	1.000 .0643	1.023 .0645	1.046 .0648	0.20
6000	0.881 .0666	0.904 .0668	0.928 .0670	0.952 .0672	0.976 .0675	0.999 .0677	1.023 .0679	1.047 .0681	1.071 .0684	1.095 .0686	0.20
6500	0.920 .0704	0.945 .0706	0.969 .0708	0.994 .0710	1.019 .0713	1.043 .0715	1.068 .0717	1.093 .0719	1.118 .0721	1.143 .0723	0.21
7000	0.959 .0741	0.984 .0743	1.009 .0745	1.035 .0747	1.060 .0749	1.086 .0751	1.112 .0753	1.138 .0755	1.163 .0758	1.189 .0760	0.22
7500	0.996 .0777	1.022 .0779	1.049 .0781	1.075 .0783	1.101 .0785	1.128 .0787	1.154 .0789	1.181 .0791	1.208 .0793	1.234 .0795	0.23
8000	1.032 .0812	1.060 .0814	1.087 .0816	1.114 .0817	1.141 .0819	1.168 .0821	1.196 .0823	1.223 .0825	1.251 .0827	1.278 .0829	0.23
8500	1.068 .0845	1.096 .0847	1.124 .0849	1.152 .0851	1.180 .0853	1.208 .0855	1.236 .0857	1.264 .0859	1.293 .0861	1.321 .0862	0.24
9000	1.103 .0878	1.131 .0880	1.160 .0882	1.189 .0883	1.218 .0885	1.247 .0887	1.276 .0889	1.305 .0891	1.334 .0893	1.363 .0894	0.24
9500	1.136 .0910	1.166 .0911	1.195 .0913	1.225 .0915	1.255 .0917	1.284 .0918	1.314 .0920	1.344 .0922	1.374 .0924	1.404 .0925	0.25
10000	1.169 .0940	1.200 .0942	1.230 .0943	1.260 .0945	1.291 .0947	1.321 .0948	1.352 .0950	1.382 .0952	1.413 .0954	1.443 .0955	0.25

Tab. VI, b. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$				$d_1 = 000$				$1000\, d_2$		
	5°	6°	7°	8°	9°	10°	11°	12°	$t = 7°$	$t = 9°$	$t = 11°$
2000	0.682 *.0359*	0.850 *.0387*	1.028 *.0414*	1.214 *.0441*	1.410 *.0467*	1.615 *.0492*	1.828 *.0516*	2.050 *.0539*	0.14	0.15	0.16
2200	0.707 *.0376*	0.879 *.0404*	1.060 *.0431*	1.251 *.0458*	1.451 *.0483*	1.659 *.0508*	1.876 *.0531*	2.101 *.0554*	0.15	0.16	0.17
2400	0.730 *.0394*	0.907 *.0422*	1.092 *.0448*	1.287 *.0474*	1.490 *.0499*	1.702 *.0523*	1.923 *.0547*	2.151 *.0569*	0.15	0.16	0.17
2600	0.754 *.0411*	0.935 *.0439*	1.124 *.0465*	1.323 *.0491*	1.530 *.0515*	1.745 *.0539*	1.969 *.0562*	2.201 *.0584*	0.15	0.17	0.18
2800	0.777 *.0429*	0.962 *.0456*	1.156 *.0482*	1.358 *.0507*	1.569 *.0531*	1.788 *.0555*	2.015 *.0578*	2.250 *.0600*	0.16	0.17	0.18
3000	0.800 *.0446*	0.989 *.0473*	1.187 *.0498*	1.393 *.0523*	1.607 *.0547*	1.830 *.0570*	2.060 *.0593*	2.298 *.0614*	0.16	0.18	0.19
3200	0.823 *.0463*	1.016 *.0489*	1.218 *.0515*	1.428 *.0539*	1.646 *.0563*	1.872 *.0586*	2.105 *.0608*	2.347 *.0629*	0.17	0.18	0.19
3400	0.846 *.0480*	1.043 *.0506*	1.248 *.0531*	1.462 *.0555*	1.684 *.0578*	1.913 *.0601*	2.150 *.0623*	2.394 *.0644*	0.17	0.18	0.19
3600	0.869 *.0497*	1.069 *.0522*	1.279 *.0547*	1.496 *.0571*	1.721 *.0594*	1.954 *.0616*	2.194 *.0638*	2.442 *.0659*	0.18	0.19	0.20
3800	0.891 *.0514*	1.095 *.0539*	1.309 *.0563*	1.529 *.0586*	1.758 *.0609*	1.994 *.0631*	2.238 *.0652*	2.488 *.0673*	0.18	0.19	0.20
4000	0.913 *.0530*	1.121 *.0555*	1.338 *.0579*	1.562 *.0602*	1.795 *.0625*	2.034 *.0646*	2.281 *.0667*	2.535 *.0687*	0.18	0.20	0.21
4200	0.934 *.0547*	1.147 *.0571*	1.367 *.0595*	1.595 *.0618*	1.831 *.0640*	2.074 *.0661*	2.324 *.0682*	2.581 *.0702*	0.19	0.20	0.21
4400	0.956 *.0563*	1.172 *.0587*	1.396 *.0610*	1.628 *.0633*	1.867 *.0655*	2.113 *.0676*	2.366 *.0696*	2.626 *.0716*	0.19	0.20	0.21
4600	0.977 *.0579*	1.197 *.0603*	1.425 *.0626*	1.660 *.0648*	1.903 *.0670*	2.152 *.0690*	2.408 *.0710*	2.671 *.0730*	0.20	0.21	0.22
4800	0.998 *.0595*	1.222 *.0618*	1.453 *.0641*	1.692 *.0663*	1.938 *.0684*	2.190 *.0705*	2.449 *.0725*	2.715 *.0744*	0.20	0.21	0.22

Tab. VII. C''

p	0	10	20	30	40	50	60	70	80	90
	0.000	0.051	0.102	0.153	0.204	0.255	0.306	0.357	0.408	0.459
100	0.510	0.561	0.612	0.663	0.714	0.764	0.815	0.866	0.917	0.968
200	1.019	1.070	1.120	1.171	1.222	1.273	1.323	1.374	1.425	1.476
300	1.526	1.577	1.628	1.678	1.729	1.779	1.830	1.881	1.931	1.982
400	2.033	2.083	2.134	2.184	2.235	2.285	2.336	2.386	2.437	2.487
500	2.538									

Tab. VI, b. $D = d + (\sigma_0 - 28)\, d_1 - (\sigma_0 - 28)^2\, d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					$1000 d_2$
	12°.0	12°.1	12°.2	12°.3	12°.4	12°.5	12°.6	12°.7	12°.8	12°.9	$t = 13°$
2000	2.050 *.0539*	2.073 *.0541*	2.095 *.0543*	2.118 *.0546*	2.141 *.0548*	2.164 *.0550*	2.187 *.0552*	2.210 *.0554*	2.233 *.0557*	2.257 *.0559*	0.17
2200	2.101 *.0554*	2.124 *.0556*	2.147 *.0559*	2.170 *.0561*	2.193 *.0563*	2.216 *.0565*	2.240 *.0567*	2.263 *.0570*	2.286 *.0572*	2.310 *.0574*	0.18
2400	2.151 *.0569*	2.174 *.0572*	2.198 *.0574*	2.221 *.0576*	2.244 *.0578*	2.268 *.0580*	2.292 *.0583*	2.315 *.0585*	2.339 *.0587*	2.363 *.0589*	0.18
2600	2.201 *.0584*	2.224 *.0587*	2.248 *.0589*	2.272 *.0591*	2.295 *.0593*	2.319 *.0595*	2.343 *.0598*	2.367 *.0600*	2.391 *.0602*	2.416 *.0604*	0.19
2800	2.250 *.0600*	2.274 *.0602*	2.298 *.0604*	2.322 *.0606*	2.346 *.0608*	2.370 *.0610*	2.394 *.0612*	2.419 *.0615*	2.443 *.0617*	2.468 *.0619*	0.19
3000	2.298 *.0614*	2.323 *.0617*	2.347 *.0619*	2.371 *.0621*	2.396 *.0623*	2.420 *.0625*	2.445 *.0627*	2.470 *.0629*	2.494 *.0631*	2.519 *.0633*	0.19
3200	2.347 *.0629*	2.371 *.0631*	2.396 *.0634*	2.420 *.0636*	2.445 *.0638*	2.470 *.0640*	2.495 *.0642*	2.520 *.0644*	2.545 *.0646*	2.570 *.0648*	0.20
3400	2.394 *.0644*	2.419 *.0646*	2.444 *.0648*	2.469 *.0650*	2.494 *.0652*	2.519 *.0654*	2.545 *.0656*	2.570 *.0658*	2.595 *.0660*	2.621 *.0662*	0.20
3600	2.442 *.0659*	2.467 *.0661*	2.492 *.0663*	2.517 *.0665*	2.543 *.0667*	2.568 *.0669*	2.594 *.0671*	2.619 *.0673*	2.645 *.0675*	2.671 *.0677*	0.20
3800	2.488 *.0673*	2.514 *.0675*	2.539 *.0677*	2.565 *.0679*	2.591 *.0681*	2.616 *.0683*	2.642 *.0685*	2.668 *.0687*	2.694 *.0689*	2.720 *.0691*	0.21
4000	2.535 *.0687*	2.560 *.0689*	2.586 *.0691*	2.612 *.0693*	2.638 *.0695*	2.664 *.0697*	2.690 *.0699*	2.717 *.0701*	2.743 *.0703*	2.769 *.0705*	0.21

Tab. VIII. $D'' = d'' + \sigma_t d_1''$. $\sigma = \sigma_t + C'' - D''$

p	$d'' = 000$						$d_1'' = 000$				
	$t = -1°$	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°
50	− 0.002 *.0006*	0 *.0006*	0.002 *.0006*	0.003 *.0006*	0.005 *.0006*	0.007 *.0006*	0.008 *.0005*	0.010 *.0005*	0.011 *.0005*	0.013 *.0005*	0.014 *.0005*
100	− .004 *.0012*	0 *.0012*	.003 *.0012*	.007 *.0011*	.010 *.0011*	.013 *.0011*	.016 *.0011*	.019 *.0011*	.022 *.0010*	.025 *.0010*	.028 *.0010*
150	−. 005 *.0018*	0 *.0018*	.005 *.0017*	.010 *.0017*	.015 *.0017*	.020 *.0017*	.025 *.0016*	.029 *.0016*	.033 *.0016*	.038 *.0015*	.042 *.0015*
200	− .007 *.0024*	0 *.0024*	.007 *.0023*	.014 *.0023*	.020 *.0022*	.027 *.0022*	.033 *.0021*	.039 *.0021*	.044 *.0021*	.050 *.0020*	.056 *.0020*
250	− .009 *.0030*	0 *.0029*	.009 *.0029*	.017 *.0029*	.026 *.0028*	.034 *.0028*	.041 *.0027*	.049 *.0027*	.056 *.0026*	.063 *.0026*	.070 *.0025*
300	− .011 *.0036*	0 *.0035*	.010 *.0035*	.020 *.0034*	.031 *.0034*	.040 *.0033*	.049 *.0032*	.058 *.0032*	.067 *.0031*	.075 *.0031*	.083 *.0030*
350	− .013 *.0042*	0 *.0041*	.012 *.0041*	.024 *.0040*	.036 *.0039*	.047 *.0039*	.057 *.0038*	.068 *.0037*	.078 *.0036*	.088 *.0036*	.097 *.0035*
400	− .014 *.0048*	0 *.0047*	.014 *.0046*	.027 *.0046*	.041 *.0045*	.054 *.0044*	.066 *.0043*	.078 *.0042*	.089 *.0042*	.100 *.0041*	.111 *.0040*
450	−. 016 *.0054*	0 *.0053*	.015 *.0052*	.031 *.0051*	.046 *.0050*	.060 *.0049*	.074 *.0048*	.087 *.0048*	.100 *.0047*	.113 *.0046*	.125 *.0045*
500	− .018 *.0060*	0 *.0059*	.017 *.0058*	.034 *.0057*	.051 *.0056*	.067 *.0055*	.082 *.0054*	.097 *.0053*	.111 *.0052*	.125 *.0051*	.139 *.0050*

Tab. VI, b. $D = d + (\sigma_0 - 28)\,d_1 - (\sigma_0 - 28)^2 d_2$. $\sigma = \sigma_0 + C - D$

p	$d = 000$					$d_1 = 000$					
	13°.0	**13°.1**	**13°.2**	**13°.3**	**13°.4**	**13°.5**	**13°.6**	**13°.7**	**13°.8**	**13°.9**	**14°.0**
2000	2.280	2.303	2.327	2.350	2.374	2.398	2.422	2.446	2.470	2.494	2.518
	.0561	*.0563*	*.0566*	*.0568*	*.0570*	*.0572*	*.0574*	*.0576*	*.0579*	*.0581*	*.0583*
2200	2.334	2.357	2.381	2.405	2.429	2.453	2.477	2.502	2.526	2.550	2.575
	.0576	*.0578*	*.0581*	*.0583*	*.0585*	*.0587*	*.0589*	*.0591*	*.0593*	*.0595*	*.0598*
2400	2.387	2.411	2.435	2.460	2.484	2.508	2.533	2.557	2.582	2.606	2.631
	.0591	*.0593*	*.0595*	*.0598*	*.0600*	*.0602*	*.0604*	*.0606*	*.0608*	*.0610*	*.0612*
2600	2.440	2.464	2.489	2.513	2.538	2.563	2.587	2.612	2.637	2.662	2.687
	.0606	*.0608*	*.0610*	*.0612*	*.0614*	*.0617*	*.0619*	*.0621*	*.0623*	*.0625*	*.0627*
2800	2.492	2.517	2.542	2.567	2.591	2.616	2.641	2.667	2.692	2.717	2.742
	.0621	*.0623*	*.0625*	*.0627*	*.0629*	*.0631*	*.0633*	*.0635*	*.0637*	*.0639*	*.0641*
3000	2.544	2.569	2.594	2.619	2.644	2.670	2.695	2.721	2.746	2.772	2.797
	.0635	*.0637*	*.0640*	*.0642*	*.0644*	*.0646*	*.0648*	*.0650*	*.0652*	*.0654*	*.0656*
3200	2.595	2.621	2.646	2.672	2.697	2.723	2.748	2.774	2.800	2.826	2.851
	.0650	*.0652*	*.0654*	*.0656*	*.0658*	*.0660*	*.0662*	*.0664*	*.0666*	*.0668*	*.0670*
3400	2.646	2.672	2.697	2.723	2.749	2.775	2.801	2.827	2.853	2.879	2.905
	.0664	*.0666*	*.0668*	*.0670*	*.0672*	*.0674*	*.0676*	*.0678*	*.0680*	*.0682*	*.0684*
3600	2.697	2.722	2.748	2.774	2.800	2.827	2.853	2.879	2.905	2.932	2.958
	.0679	*.0681*	*.0683*	*.0685*	*.0687*	*.0689*	*.0690*	*.0692*	*.0694*	*.0696*	*.0698*
3800	2.746	2.772	2.799	2.825	2.851	2.878	2.904	2.931	2.957	2.984	3.011
	.0693	*.0695*	*.0697*	*.0699*	*.0701*	*.0703*	*.0704*	*.0706*	*.0708*	*.0710*	*.0712*
4000	2.795	2.822	2.849	2.875	2.902	2.928	2.955	2.982	3.009	3.036	3.063
	.0707	*.0709*	*.0711*	*.0713*	*.0715*	*.0717*	*.0718*	*.0720*	*.0722*	*.0724*	*.0726*

Tab. VIII. $D'' = d'' + \sigma_t d_1''$. $\sigma = \sigma_t + C'' - D''$

p	$d'' = 000$					$d_1'' = 000$					
	t=**10°**	**11°**	**12°**	**13°**	**14°**	**15°**	**16°**	**17°**	**18°**	**19°**	**20°**
50	0.015	0.016	0.018	0.019	0.020	0.021	0.022	0.023	0.024	0.025	0.026
	.0005	*.0005*	*.0005*	*.0005*	*.0005*	*.0005*	*.0004*	*.0004*	*.0004*	*.0004*	*.0004*
100	.030	.033	.035	.038	.040	.042	.044	.046	.048	.050	.052
	.0010	*.0010*	*.0009*	*.0009*	*.0009*	*.0009*	*.0009*	*.0009*	*.0009*	*.0009*	*.0008*
150	.046	.049	.053	.056	.060	.063	.066	.069	.072	.075	.077
	.0015	*.0014*	*.0014*	*.0014*	*.0014*	*.0014*	*.0013*	*.0013*	*.0013*	*.0013*	*.0013*
200	.061	.066	.070	.075	.080	.084	.088	.092	.096	.100	.103
	.0020	*.0019*	*.0019*	*.0019*	*.0018*	*.0018*	*.0018*	*.0018*	*.0017*	*.0017*	*.0017*
250	.076	.082	.088	.094	.100	.105	.110	.115	.120	.125	.129
	.0025	*.0024*	*.0024*	*.0023*	*.0023*	*.0023*	*.0022*	*.0022*	*.0022*	*.0021*	*.0021*
300	.091	.098	.106	.113	.119	.126	.132	.138	.144	.149	.155
	.0029	*.0029*	*.0028*	*.0028*	*.0028*	*.0027*	*.0027*	*.0026*	*.0026*	*.0025*	*.0025*
350	.106	.115	.123	.131	.139	.147	.154	.161	.168	.174	.181
	.0034	*.0034*	*.0033*	*.0032*	*.0032*	*.0032*	*.0031*	*.0031*	*.0030*	*.0030*	*.0029*
400	.122	.132	.141	.150	.159	.168	.176	.184	.192	.199	.206
	.0039	*.0038*	*.0038*	*.0037*	*.0037*	*.0036*	*.0035*	*.0035*	*.0034*	*.0034*	*.0033*
450	.137	.148	.158	.169	.179	.189	.198	.207	.216	.224	.232
	.0044	*.0043*	*.0042*	*.0042*	*.0041*	*.0041*	*.0040*	*.0039*	*.0039*	*.0038*	*.0038*
500	.152	.164	.176	.188	.199	.210	.220	.230	.240	.249	.258
	.0049	*.0048*	*.0047*	*.0046*	*.0046*	*.0045*	*.0044*	*.0044*	*.0043*	*.0042*	*.0042*

Tab. IX.

1000000 *e.* $p = 0$

	$t=-2°$	$t=0°$	$t=5°$	$t=10°$	$t=15°$	$t=20°$	$t=25°$	$t=30°$
$\sigma_0=0$	−105	−67	17	88	151	207	257	303
5	− 79	−44	35	104	163	217	266	311
10	− 55	−21	54	118	175	226	273	317
15	− 32	0	71	132	186	235	280	323
20	− 10	21	88	146	197	244	287	329
25	11	40	104	159	208	252	293	333
30	30	58	120	172	218	260	299	336
35	48	75	134	184	228	267	304	339
28	23	51	114	167	214	257	297	334

100 000000 $\frac{de}{dp}$. $p = 0$

	$t=-2°$	$t=0°$	$t=5°$	$t=10°$	$t=15°$	$t=20°$	$t=25°$	$t=30°$
$\sigma_0=0$	3.9	3.7	3.0	2.5	2.0	1.5	1.1	0.8
5	3.8	3.5	2.9	2.3	1.9	1.4	1.0	0.7
10	3.6	3.4	2.8	2.2	1.8	1.3	1.0	0.7
15	3.4	3.2	2.6	2.1	1.7	1.3	0.9	0.7
20	3.3	3.1	2.5	2.0	1.6	1.2	0.9	0.6
25	3.1	2.9	2.4	1.9	1.5	1.1	0.9	0.6
30	3.0	2.8	2.3	1.8	1.4	1.1	0.8	0.6
35	2.9	2.6	2.2	1.7	1.3	1.0	0.8	0.6
28	3.1	2.8	2.3	1.9	1.5	1.1	0.8	0.6

1000000 *e.* $p = 2000$

	$t=-2°$	$t=0°$	$t=5°$	$t=10°$	$t=15°$	$t=20°$
$\sigma_0=26$	74	98	152	197	238	275
28	80	105	157	202	241	278
30	87	111	162	206	245	281
32	93	117	167	210	248	283

1000000 *e.* $p = 4000$

	$t=-2°$	$t=0°$	$t=5°$	$t=10°$	$t=15°$
$\sigma_0=26$	126	147	191	229	263
28	132	152	196	233	266
30	137	157	200	236	269
32	143	162	204	240	272

1000000 *e.* $p = 6000$

	$t=-2°$	$t=0°$	$t=2°.5$	$t=5°$
$\sigma_0=27$	174	191	211	228
28	177	194	213	230
29	179	196	215	232

1000000 *e.* $p = 8000$

	$t=0°$	$t=2°.5$	$t=5°$
$\sigma_0=27$	229	244	259
28	231	246	260
29	232	248	262

1000000 *e.* $p = 10000$

	$t=0°$	$t=2°.5$	$t=5°$
$\sigma_0=27$	261	274	286
28	263	276	287
29	265	277	289

NB. Une **LISTE DES PUBLICATIONS** du Conseil permanent international pour l'exploration de la mer, savoir:

Série A: Rapports et Procès-Verbaux des réunions

— B: Bulletin (trimestriel) des résultats acquis pendant les croisières périodiques etc.

— C: Publications de circonstance

— D: Bulletin statistique

a paru en Avril 1909. Elle est envoyée **franco**, sur demande adressée à MM. **Andr. Fred. Høst et fils**, libraires à Copenhague.

COPENHAGUE - IMPRIMERIE BIANCO LUNO